START

0039103

Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

NOV 04 1994

95-PCA-011

Mr. David L. Lundstrom
Section Manager
200 Areas
Nuclear Waste Program
State of Washington
Department of Ecology
1315 West 4th Avenue
Kennewick, Washington 99336

Mr. Douglas R. Sherwood
Hanford Project Manager
U.S. Environmental Protection Agency
712 Swift Boulevard, Suite 5
Richland, Washington 99352

Dear Messrs. Lundstrom and Sherwood:

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION, FORM 3s, FOR EIGHT TREATMENT, STORAGE, AND DISPOSAL UNITS (WA7890008967)

Enclosed are 8 Hanford Facility Dangerous Waste Part A Permit Application (Part A) Form 3s. The 8 treatment, storage, and/or disposal (TSD) units are located in the 200 East and West Areas of the Hanford Facility and are used for the treatment, storage, and disposal of dangerous waste generated from various Hanford Facility operations. The 8 TSD units with their associated Part A, Form 3, and revision numbers are listed below:

- Double-Shell Tank (DST) System (TSD: S-2-3), Rev. 7
- 242-A Evaporator (TSD: T-2-6), Rev. 5
- 204-AR Waste Unloading Station (204-AR) (TSD: T-2-3), Rev. 3
- Low-Level Burial Grounds (LLBG) (TSD: D-2-9), Rev. 7
- Liquid Effluent Retention Facility (LERF) (TSD: S-2-8), Rev. 3
- 222-S Laboratory Complex (TSD: TS-2-1), Rev. 3
- Hanford Central Waste Complex (HCWC) (TSD: TS-2-4), Rev. 2
- T Plant Complex (TSD: T-2-7), Rev. 3

The 8 Part A, Form 3s, have been revised to add Dangerous Waste Numbers F039 (multi-source leachate) in support of efforts to begin operations at Trench 31 of the Low-Level Burial Grounds. Dangerous Waste Number F039 is a waste designation the Washington State Department of Ecology (Ecology) has adopted from 40 CFR Part 261, Appendix VII, by reference per Washington Administrative Code (WAC) 173-303-082(5).

The Part A, Form 3s, for the following TSD units have been revised to delete and add the identified dangerous waste numbers:

- 242-A Evaporator - Deleted state-only WC01 (Extremely Hazardous - carcinogenic)
- 204-AR Waste Unloading Station - Deleted state-only WC01
- LLBG - Deleted discarded chemical products P035, P052, P079, U013, U230, U231, U241, U242, and state-only WC01

  Added discarded chemical products P057, U248, U249, U328, U353, and U359
- HCWC - Deleted discarded chemical products P035, P052, P079, U013, U230, U231, U241, U242, and state-only WC01

  Added discarded chemical products P057, U248, U249, U328, U353, and U359
- T Plant Complex - Deleted state-only WC01

  Added discarded chemical products P057, P116, P118, P119, P120, P121, P122, P123, U248, U249, U328, U353, and U359

These changes to the Part A, Form 3, were made in compliance with WAC 173-303. These regulations require the submittal of a revised Part A, Form 3, that addresses the treatment, storage, and/or disposal of dangerous waste previously unidentified at a TSD unit operating under interim status.

Should you have any questions regarding the 8 Part A, Form 3s, please contact Mr. C. E. Clark of the U.S. Department of Energy, Richland Operations Office on (509) 376-9333 or Mr. R. C. Bowman of the Westinghouse Hanford Company on (509) 376-4876.

Sincerely,

James D Bauer

James D. Bauer, Program Manager
Office of Environmental Assurance,
Permits, and Policy
DOE Richland Operations Office

EAP:CEC

William T. Dixon, Manager
Environmental Services
Westinghouse Hanford Company

Enclosure:
Eight Hanford Facility Part A
Permit Application,
Form 3s

cc w/encl:
Administrative Records, H6-08
D. Duncan EPA
D. Nylander Ecology
S. Price, WHC

cc w/o encl:
R. Bowman, WHC
B. Burke, CTUIR
W. Dixon, WHC
R. Jim, YIN
D. Powaukee, NPT

Please print or type in the unshaded areas only
(fill-in areas are spaced for elite type, i.e., 12 character/inch).

FORM 3

DANGEROUS WASTE PERMIT APPLICATION

1. EPA/STATE I.D. NUMBER: W A 7 8 9 0 0 0 8 9 6 7

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED *(mo., day, & yr.)*	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA/STATE I.D. Number, or if this is a revised application, enter your facility's EPA/STATE I.D. Number in Section I above.

A. FIRST APPLICATION *(place an "X" below and provide the appropriate date)*

☐ 1. EXISTING FACILITY *(See Instructions for definition of "existing" facility. Complete item below.)*

FOR EXISTING FACILITIES, PROVIDE THE DATE *(mo., day, & yr.)* OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED *(use the boxes to the left)*

MO.	DAY	YR.
0 3	1 8	7 7

☐ 2. NEW FACILITY *(Complete item below)*

FOR NEW FACILITIES, PROVIDE THE DATE *(mo., day, & yr.)* OPERATION BEGAN OR IS EXPECTED TO BEGIN

MO.	DAY	YR.

B. REVISED APPLICATION *(place an "X" below and complete Section I above)*

☒ 1. FACILITY HAS AN INTERIM STATUS PERMIT

☐ 2. FACILITY HAS A FINAL PERMIT

III. PROCESSES - CODES AND CAPACITIES

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process *(including its design capacity)* in the space provided on the *(Section III-C)*.

B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.

1. AMOUNT - Enter the amount.

2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER (barrel, drum, etc)	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D80	GALLONS OR LITERS
LANDFILL	D81	ACRE-FEET *(the volume that would cover one acre to a depth of one foot)* OR HECTARE-METER
LAND APPLICATION	D82	*ACRES OR HECTARES*
OCEAN DISPOSAL	D83	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D84	GALLONS OR LITERS

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Section III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G
LITERS	L
CUBIC YARDS	Y
CUBIC METERS	C
GALLONS PER DAY	U
LITERS PER DAY	V
TONS PER HOUR	D
METRIC TONS PER HOUR	W
GALLONS PER HOUR	E
LITERS PER HOUR	H
ACRE-FEET	A
HECTARE-METER	F
ACRES	B
HECTARES	Q

EXAMPLE FOR COMPLETING SECTION III *(shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons.* The facility also has an incinerator that can burn up to 20 gallons per hour.

LINE NUMBER	A. PROCESS CODE *(from list above)*	B. PROCESS DESIGN CAPACITY 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE *(from list above)*	B. PROCESS DESIGN CAPACITY 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY
X-1	S 0 2	600	G		5				
X-2	T 0 3	20	E		6				
1	T 0 4	230,000	U		7				
2					8				
3					9				
4					10				

CONTINUE ON REVERSE

Continued from the front.

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

T04

The 242-A Evaporator is located in the 200 East Area of the Hanford Facility and is used to treat mixed waste from the Double-Shell Tank (DST) System by removing water and most volatile organics. Two waste streams leave the 242-A Evaporator following the treatment process. The first waste stream, the concentrated slurry (approximately 30 to 40 percent of the water is removed during evaporation along with a portion of the volatile organics), is pumped back into the DST System. The second waste stream, process condensate (containing a portion of the volatile organics removed from the mixed waste during the evaporation process), is routed through condensate filters for treatment before release to a retention basin (Liquid Effluent Retention Facility). Offgasses from the process are routed through a deentrainment unit, a prefilter, and high-efficiency particulate air filters before being discharged to the environment. The 242-A Evaporator is used to treat up to 230,000 gallons (871,000 liters) of mixed waste per day.

IV. DESCRIPTION OF DANGEROUS WASTES

A. DANGEROUS WASTE NUMBER - Enter the four digit number from Chapter 173-303 WAC for each listed dangerous waste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic contaminants of those dangerous wastes.

B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed dangerous waste: For each listed dangerous waste entered in column A select the code(s) from the list of process codes contained in Section III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

1. Select one of the Dangerous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.

2. In column A of the next line enter the other Dangerous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.

3. Repeat step 2 for each other Dangerous Waste Number that can be used to describe the dangerous waste.

EXAMPLE FOR COMPLETING SECTION IV *(shown in line numbers X-1, X-2, X-3, and X-4 below)* - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2			T 0 3 D 8 0	*included with above*

CONTINUE ON PAGE 3

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	D001	1,400,000,000	P	T04	Treatment - Evaporation
2	D002				
3	D003				
4	D004				
5	D005				
6	D006				
7	D007				
8	D008				
9	D009				
10	D010				
11	D011				
12	D018				
13	D019				
14	D022				
15	D028				
16	D029				
17	D030				
18	D033				
19	D034				
20	D035				
21	D036				
22	D038				
23	D039				
24	D040				
25	D041				
26	D043				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*

W	A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	WT01		P	T04	Treatment - Evaporation (cont)
2	WT02				
3	WC02				
4	WP01				
5	WP02				
6	F001				
7	F002				
8	F003				
9	F004				
10	F005				
11	F039				Included With Above
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

Continued from the front.

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM SECTION D(1) ON PAGE 3.

The 242-A Evaporator is used to treat mixed waste from the Double-Shell Tank System. Two waste streams leave the 242-A Evaporator following the treatment process: a concentrated slurry waste stream that is routed to the Double-Shell Tank System and a process condensate effluent waste stream that is routed to the Liquid Effluent Retention Facility.

The concentrated slurry is regulated as a dangerous waste due to corrosivity (D002) and toxicity, and is regulated as an extremely hazardous waste (EHW) due to toxicity under the mixture rule. This mixed waste stream is considered corrosive because the pH of the waste exceeds 12.5 standard units. This mixed waste stream also is characterized as toxic due to the concentrations of chromium (D007), lead (D008), cadmium (D006), and silver (D011), and is EHW toxic due to the concentrations of nitrite and hydroxide ions.

The process condensate effluent is regulated as a dangerous waste due to the toxicity of ammonia and the presence of nonspecific waste sources F001 through F005, and F039. Multi-source leachate (F039) is included as a waste derived from nonspecific source wastes F001 through F005.

The list of dangerous constituents under item IV.A includes toxic constituents of cadmium (D006) and silver (D011). These constituents have not been detected in the waste, but knowledge of the process providing waste to the 242-A Evaporator indicates the strong possibility that these constituents will be in the waste. The list of Toxicity Characteristics Leaching Procedure constituents (WT01, WT02, WC02, WP01, and WP02) under item IV.A have not been detected in the waste; however, the potential exists for treating these constituents at the 242-A Evaporator. All other waste listed is based on analytical data. The annual waste quantity listed under item IV.B. was calculated using an operating schedule of 365 days per year, and a specific gravity for the waste of 2.0. This calculation was done to provide a maximum estimate of annual waste quantity.

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility *(see instructions for more detail)*.

VI. PHOTOGRAPHS

All existing facilities must include photographs *(aerial or ground-level)* that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas *(see instructions for more detail)*.

VII. FACILITY GEOGRAPHIC LOCATION This information is provided on the attached drawings and photos.

LATITUDE *(degrees, minutes, & seconds)*	LONGITUDE *(degrees, minutes, & seconds)*

VIII. FACILITY OWNER

[X] A. If the facility owner is also the facility operator as listed in Section VII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER	2. PHONE NO. *(area code & no.)*

3. STREET OR P.O. BOX	4. CITY OR TOWN	5. ST.	6. ZIP CODE

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME *(print or type)*	SIGNATURE	DATE SIGNED
John D. Wagoner, Manager U.S. Department of Energy Richland Operations Office	John D. Wagoner	11/4/94

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME *(print or type)*	SIGNATURE	DATE SIGNED
SEE ATTACHMENT		

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

John D. Wagoner

Owner/Operator
John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office

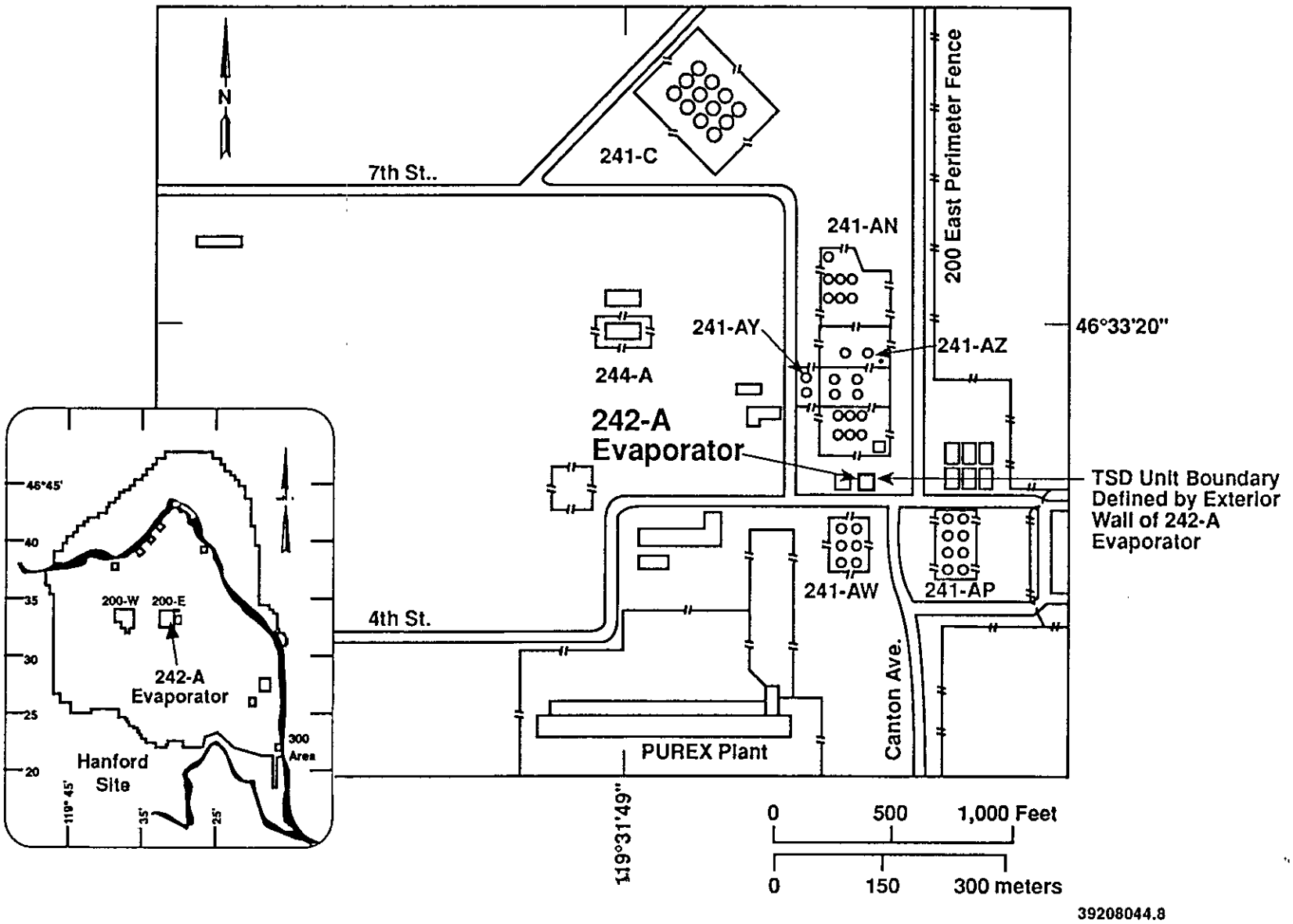
11/8/94
Date

A. LaMar Trego

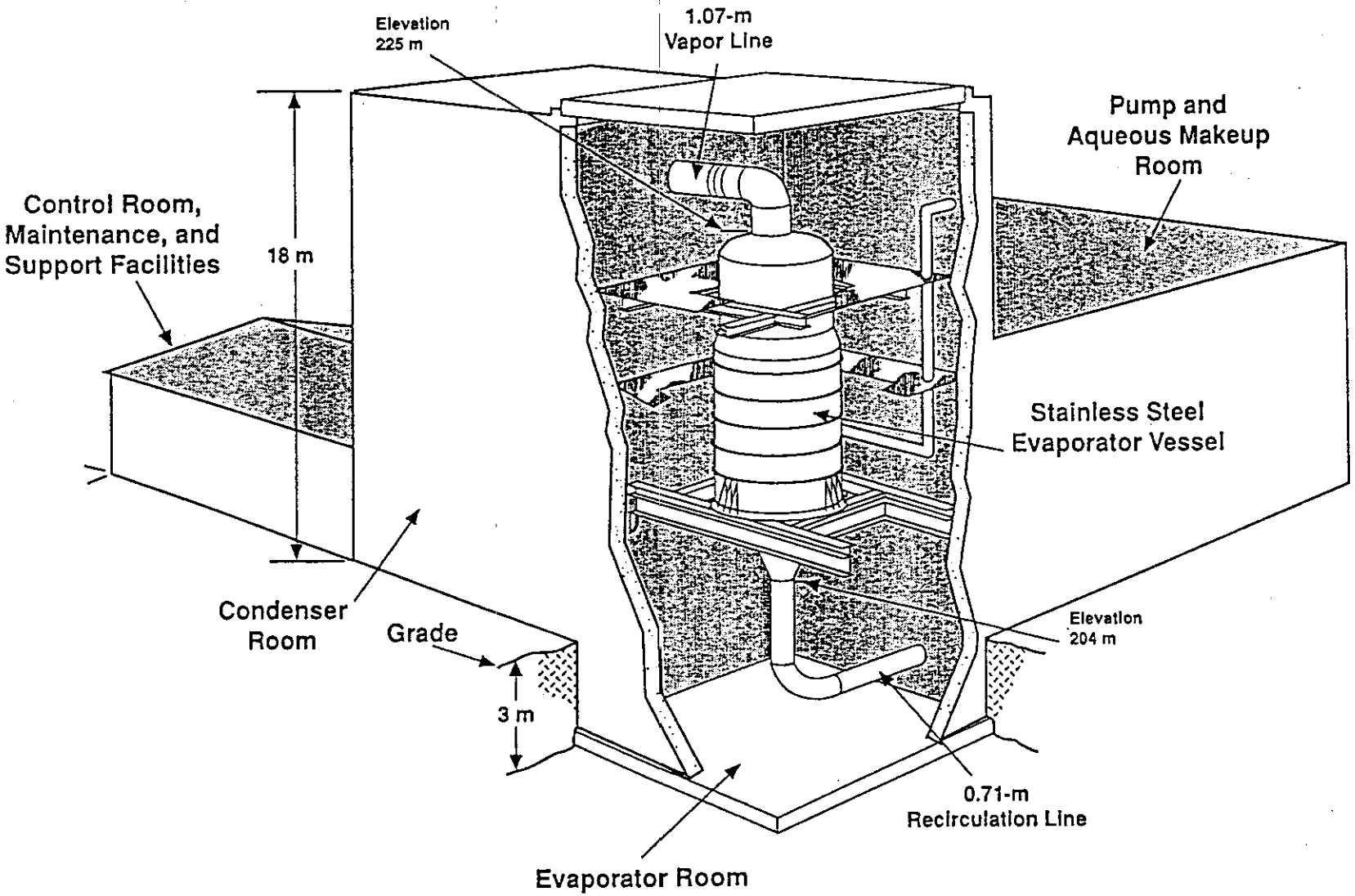
Co-operator
A. LaMar Trego, President
Westinghouse Hanford Company

9/20/94
Date

242-A Evaporator
Site Plan



242-A Evaporator



For conversions, apply the following:
Meters to feet - divide meters by 0.3048.

39211048.1a

242-A EVAPORATOR

46°33'12"
119°31'37"

91051644-1CN
(PHOTO TAKEN 1991)

Please print or type in the unshaded areas only
(fill-in areas are spaced for elite type, i.e., 12 character/inch).

FORM 3

DANGEROUS WASTE PERMIT APPLICATION

1. EPA/STATE I.D. NUMBER: W A 7 8 9 0 0 0 8 9 6 7

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED *(mo., day, & yr.)*	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA/STATE I.D. Number, or if this is a revised application, enter your facility's EPA/STATE I.D. Number in Section I above.

A. FIRST APPLICATION *(place an "X" below and provide the appropriate date)*

☐ 1. EXISTING FACILITY *(See instructions for definition of "existing" facility. Complete item below.)*

MO. | DAY | YR. — FOR EXISTING FACILITIES, PROVIDE THE DATE *(mo., day, & yr.)* OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED *(use the boxes to the left)* ***Refer to Tank Table**

☐ 2. NEW FACILITY *(Complete item below)*

MO. | DAY | YR. — FOR NEW FACILITIES, PROVIDE THE DATE, *(mo., day, & yr.)* OPERATION BEGAN OR IS EXPECTED TO BEGIN

B. REVISED APPLICATION *(place an "X" below and complete Section I above)*

☒ 1. FACILITY HAS AN INTERIM STATUS PERMIT

☐ 2. FACILITY HAS A FINAL PERMIT

III. PROCESSES - CODES AND CAPACITIES

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process *(including its design capacity)* in the space provided on the *(Section III-C)*.

B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.

1. AMOUNT - Enter the amount.

2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER (barrel, drum, etc)	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D80	GALLONS OR LITERS
LANDFILL	D81	ACRE-FEET *(the volume that would cover one acre to a depth of one foot)* OR HECTARE-METER
LAND APPLICATION	D82	*ACRES OR HECTARES*
OCEAN DISPOSAL	D83	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D84	GALLONS OR LITERS

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Section III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G
LITERS	L
CUBIC YARDS	Y
CUBIC METERS	C
GALLONS PER DAY	U
LITERS PER DAY	V
TONS PER HOUR	D
METRIC TONS PER HOUR	W
GALLONS PER HOUR	E
LITERS PER HOUR	H
ACRE-FEET	A
HECTARE-METER	F
ACRES	B
HECTARES	Q

EXAMPLE FOR COMPLETING SECTION III *(shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons.* The facility also has an incinerator that can burn up to 20 gallons per hour.

LINE NUMBER	A. PROCESS CODE *(from list above)*	B. PROCESS DESIGN CAPACITY 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE *(from list above)*	B. PROCESS DESIGN CAPACITY 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY
X-1	S02	600	G		5				
X-2	T03	20	E		6				
1	S02	40,041,000	G		7				
2	T01	40,041,000	U		8				
3					9				
4					10				

CONTINUE ON REVERSE

Continued from the front.

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

The Double-Shell Tank (DST) System is used for the interim storage (S02) of liquid mixed waste generated on the Hanford Facility. Several operating units in the 200 East and West Areas transfer liquid mixed waste through buried double-encased transfer lines to designated underground DSTs. Other types of liquid mixed waste in the DST System are received from railroad car transfers, tank truck transfers, the Single-Shell Tank System, and smaller temporary storage tanks.

Pretreatment will be performed as necessary at a future unit and/or at the 242-A Evaporator. The low-level liquid mixed waste is accumulated in the DST System until the waste is transferred for treatment to a proposed low-level vitrification plant in preparation for final disposal. The high-level liquid mixed waste from the DST System will be treated at the Hanford Waste Vitrification Plant (HWVP) and shipped to an offsite waste facility.

The tanks in the DST System are considered treatment units (T01) because chemicals can be added for corrosion control, the waste can be mixed using equipment such as airlift circulators or pumps, and water can be evaporated from the aging waste tanks by adding heat. It is possible that up to 40,041,000 gallons (151,571,200 liters) of waste can be treated per day.

The tanks in the DST System are shown on the Tank Table (pages 3 and 4), which includes tank numbers, locations, design capacities, and operational dates. The specific TSD unit boundaries will be defined in the Double-Shell Tank System Dangerous Waste Permit Application.

IV. DESCRIPTION OF DANGEROUS WASTES

A. DANGEROUS WASTE NUMBER - Enter the four digit number from Chapter 173-303 WAC for each listed dangerous waste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic contaminants of those dangerous wastes.

B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed dangerous waste: For each listed dangerous waste entered in column A select the code(s) from the list of process codes contained in Section III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

1. Select one of the Dangerous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other Dangerous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other Dangerous Waste Number that can be used to describe the dangerous waste.

EXAMPLE FOR COMPLETING SECTION IV *(shown in line numbers X-1, X-2, X-3, and X-4 below)* - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2			T 0 3 D 8 0	included with above

TANK TABLE (Sheet 1 of 2)

1. There are twenty-four 1,200,000-gallon nonaging* DSTs.

Tank Number	Location	Design Capacity (gallons)	Operation Date
241-AN-101	200 East Area	1,200,000	9/81
241-AN-102	200 East Area	1,200,000	9/81
241-AN-103	200 East Area	1,200,000	9/81
241-AN-104	200 East Area	1,200,000	9/81
241-AN-105	200 East Area	1,200,000	9/81
241-AN-106	200 East Area	1,200,000	9/81
241-AN-107	200 East Area	1,200,000	9/81
241-AP-101	200 East Area	1,200,000	10/86
241-AP-102	200 East Area	1,200,000	10/86
241-AP-103	200 East Area	1,200,000	10/86
241-AP-104	200 East Area	1,200,000	10/86
241-AP-105	200 East Area	1,200,000	10/86
241-AP-106	200 East Area	1,200,000	10/86
241-AP-107	200 East Area	1,200,000	10/86
241-AP-108	200 East Area	1,200,000	10/86
241-AW-101	200 East Area	1,200,000	8/80
241-AW-102	200 East Area	1,200,000	8/80
241-AW-103	200 East Area	1,200,000	8/80
241-AW-104	200 East Area	1,200,000	8/80
241-AW-105	200 East Area	1,200,000	8/80
241-AW-106	200 East Area	1,200,000	8/80
241-SY-101	200 West Area	1,200,000	4/77
241-SY-102	200 West Area	1,200,000	4/77
241-SY-103	200 West Area	1,200,000	4/77

* Nonaging is a waste that is not neutralized current acid waste.

2. There are six proposed 1,160,000-gallon MWTF DSTs.

Tank Number	Location	Design Capacity (gallons)	Operation Date
241-HN-101	200 East Area	1,160,000	12/98
241-HN-102	200 East Area	1,160,000	12/98
241-HN-103	200 East Area	1,160,000	12/98
241-HN-104	200 East Area	1,160,000	12/98
241-SN-101	200 West Area	1,160,000	2/98
241-SN-102	200 West Area	1,160,000	2/98

TANK TABLE (Sheet 2 of 2)

3. There are four aging* waste DSTs.

Tank Numbers	Location	Design Capacity (gallons)	Operation Date
241-AY-101	200 East Area	1,000,000	4/71
241-AY-102	200 East Area	1,000,000	4/76**
241-AZ-101	200 East Area	1,000,000	11/76
241-AZ-102	200 East Area	1,000,000	11/76

* Aging waste is neutralized current acid waste generated from the PUREX Plant.
** Estimated operational date.

4. There are six tanks in the waste transfer vaults.

Tank Number	Location	Design Capacity (gallons)	Operation Date
244-AR-001	200 East Area	43,000	1977
244-AR-002	200 East Area	43,000	1977
244-AR-003	200 East Area	4,785	1977
244-AR-004	200 East Area	4,785	1977
244-CR-003	200 East Area	14,660	1946
244-CR-011	200 East Area	45,000	1946

5. There is one 800-gallon tank in a transfer building.

Tank Number	Location	Design Capacity (gallons)	Operation Date
241-EW-151	200 East Area Vent Station	800	11/55*

* Estimated operational date.

6. There are five double-contained receiver tanks.

Tank Number	Location	Design Capacity (gallons)	Operation Date
244-BX	200 East Area	31,000	1983
244-TX	200 West Area	31,000	12/81
244-U	200 West Area	31,000	N/A
244-A	200 East Area	16,280	1975
244-S	200 West Area	20,280	1987

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*

W	A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	D001	1,000,420,000	P	S02 T01	Storage/Chemical Treatment-Evap.
2	D002				
3	D003				
4	D004				
5	D005				
6	D006				
7	D007				
8	D008				
9	D009				
10	D010				
11	D011				
12	D018				
13	D019				
14	D022				
15	D028				
16	D029				
17	D030				
18	D033				
19	D034				
20	D035				
21	D036				
22	D038				
23	D039				
24	D040				
25	D041				
26	D043				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	WT01		P	S02 T01	Storage/Chemical Treatment-Evap.
2	WT02				
3	WC02				
4	WP01				
5	WP02				
6	F001				
7	F002				
8	F003				
9	F004				
10	F005				
11	F039				Included With Above
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

Continued from the front.

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM SECTION D(1) ON PAGE 3.

The types of liquid mixed waste stored, chemically treated, and evaporated in the DST System are as follows:

- Dilute miscellaneous waste generated on the Hanford Facility (100, 200, 300, 400 Areas, and the 340 Complex)
- Supernate and transuranic sludges that consist of neutralized cladding removal waste generated during Plutonium-Uranium Extraction (PUREX) Plant headend operations, and waste generated during the Plutonium Finishing Plant processing
- Concentrated DST waste (slurry) from the 242-A Evaporator
- Concentrated complexed waste and complexed waste generated from B Plant processing
- Neutralized current acid waste from the first extraction column at the PUREX Plant
- Liquid waste from the Single-Shell Tank System
- Waste from the Grout Treatment Facility
- T Plant Complex decontamination activities
- Waste from the 204-AR Waste Unloading Station
- Leachate resulting from Hanford Facility land disposal and surface impoundment operations.

It is possible that any of these waste types could be stored and/or treated in any of the nonaging or aging DSTs.

The list of dangerous waste under item IV.A. includes the toxic constituents of cadmium and silver. These constituents have not been detected in the waste, but knowledge of the processes providing the waste to the DST System indicates the strong possibility that these constituents will be in the waste. Toxicity characteristic leaching procedure constituents listed under item IV.A have not been detected in the waste; however, the DST System has the potential to store these constituents. Multi-source leachate (F039) is included as a waste derived from nonspecific source wastes F001 through F005. All other waste listed on this form is based on analytical data.

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility *(see instructions for more detail)*.

VI. PHOTOGRAPHS

All existing facilities must include photographs *(aerial or ground-level)* that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas *(see instructions for more detail)*.

VII. FACILITY GEOGRAPHIC LOCATION This information is provided on the attached drawings and photos.

LATITUDE *(degrees, minutes, & seconds)*	LONGITUDE *(degrees, minutes, & seconds)*

VIII. FACILITY OWNER

[X] A. If the facility owner is also the facility operator as listed in Section VII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER	2. PHONE NO. *(area code & no.)*

3. STREET OR P.O. BOX	4. CITY OR TOWN	5. ST.	6. ZIP CODE

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME *(print or type)*	SIGNATURE	DATE SIGNED
John D. Wagoner, Manager U.S. Department of Energy Richland Operations Office	John D. Wagoner	11/4/94

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME *(print or type)*	SIGNATURE	DATE SIGNED
SEE ATTACHMENT		

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

John D. Wagoner — 11/4/94

Owner/Operator
John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office

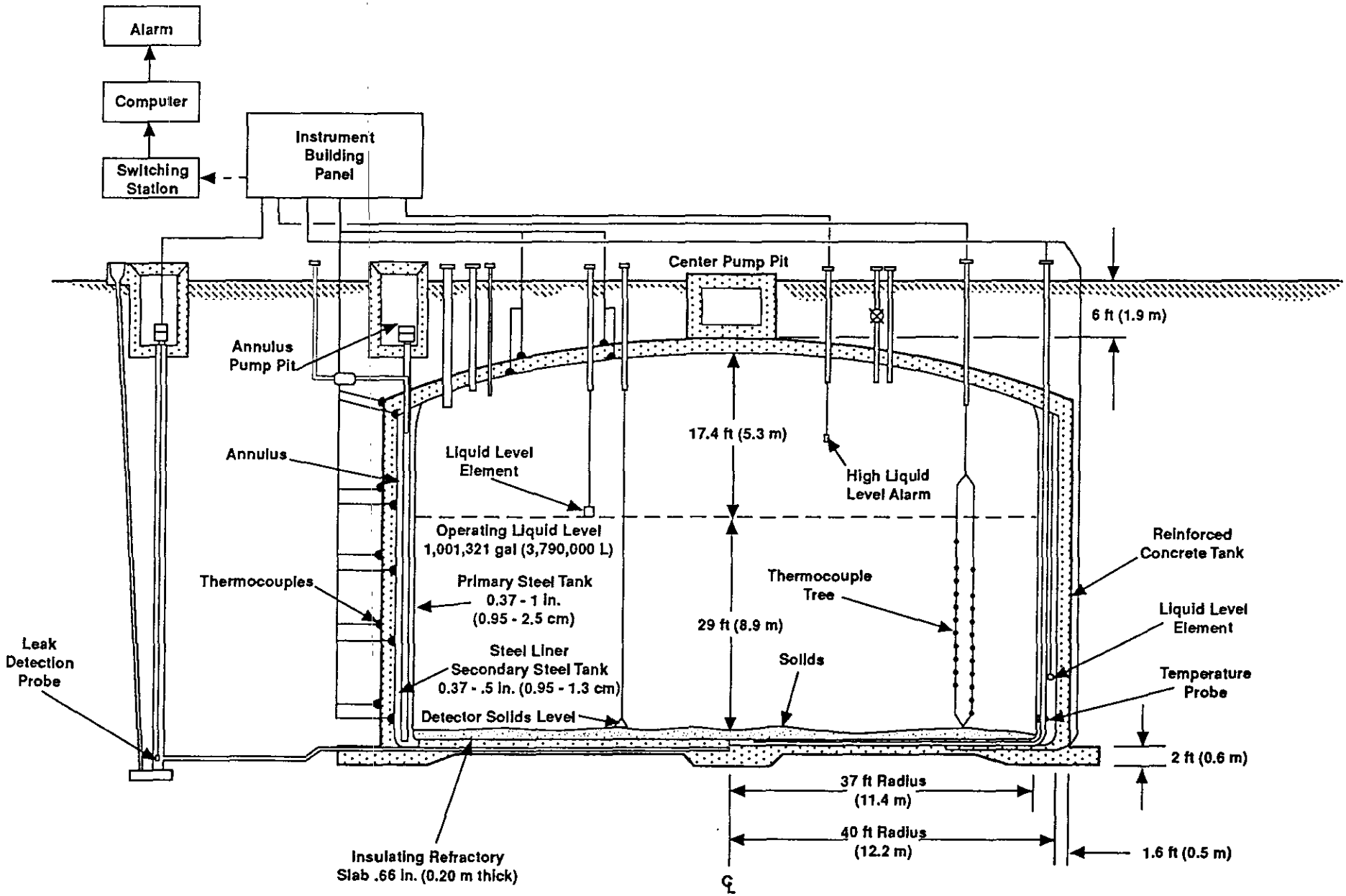
Date

A. LaMar Trego — 9/20/94

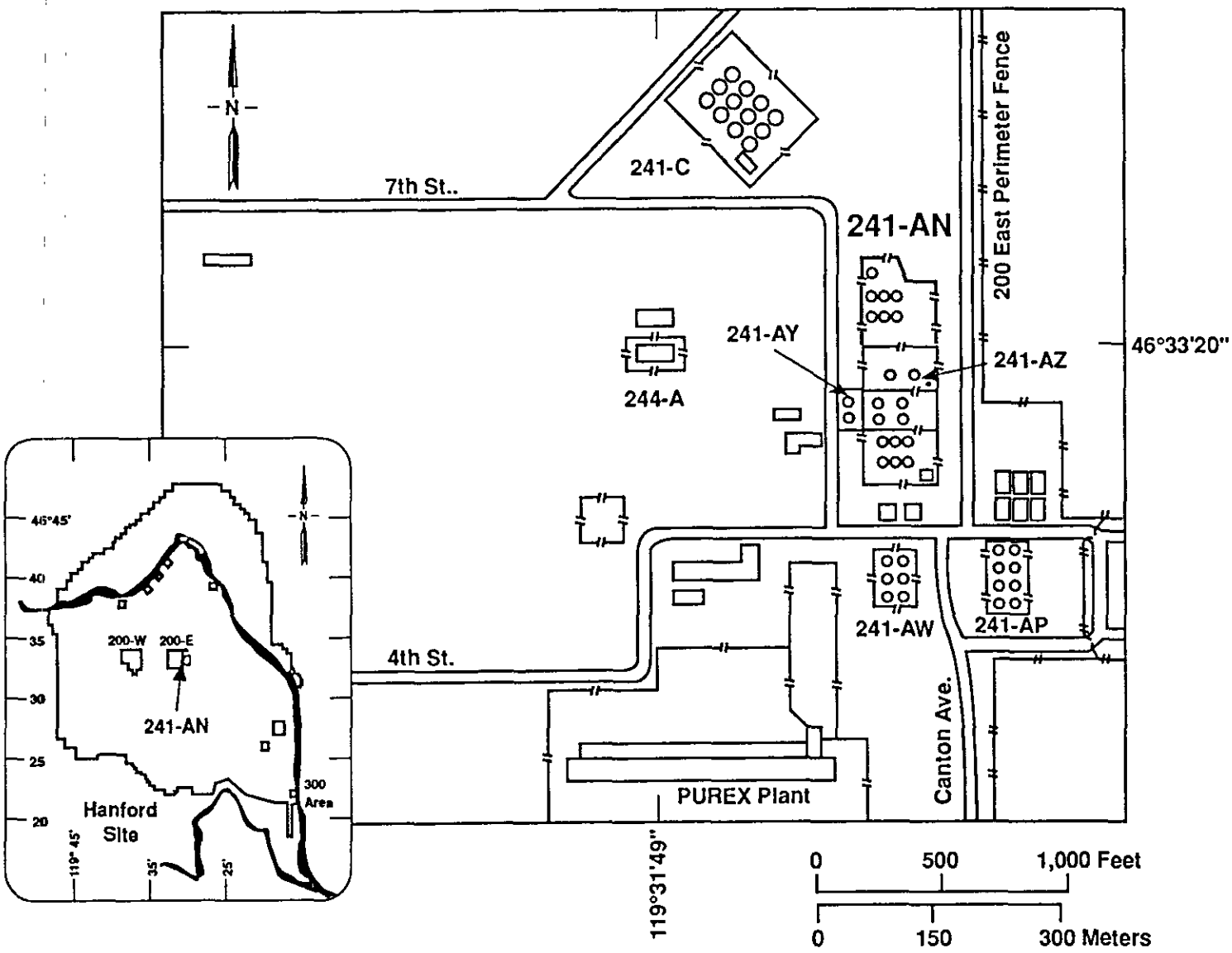
Co-operator
A. LaMar Trego, President
Westinghouse Hanford Company

Date

Typical Nonaging Waste Double-Shell Tank

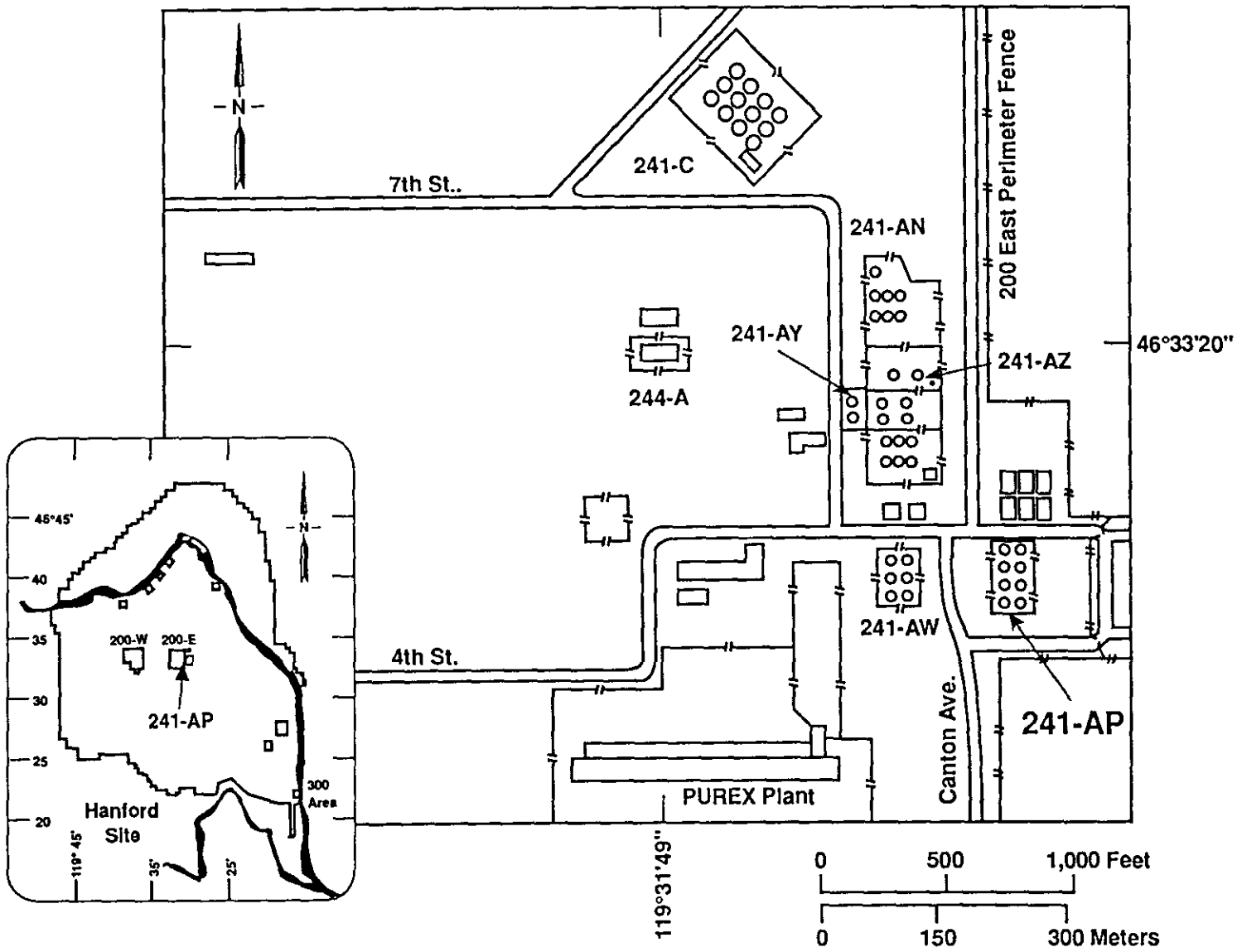


241-AN Double-Shell Tank
Site Plan



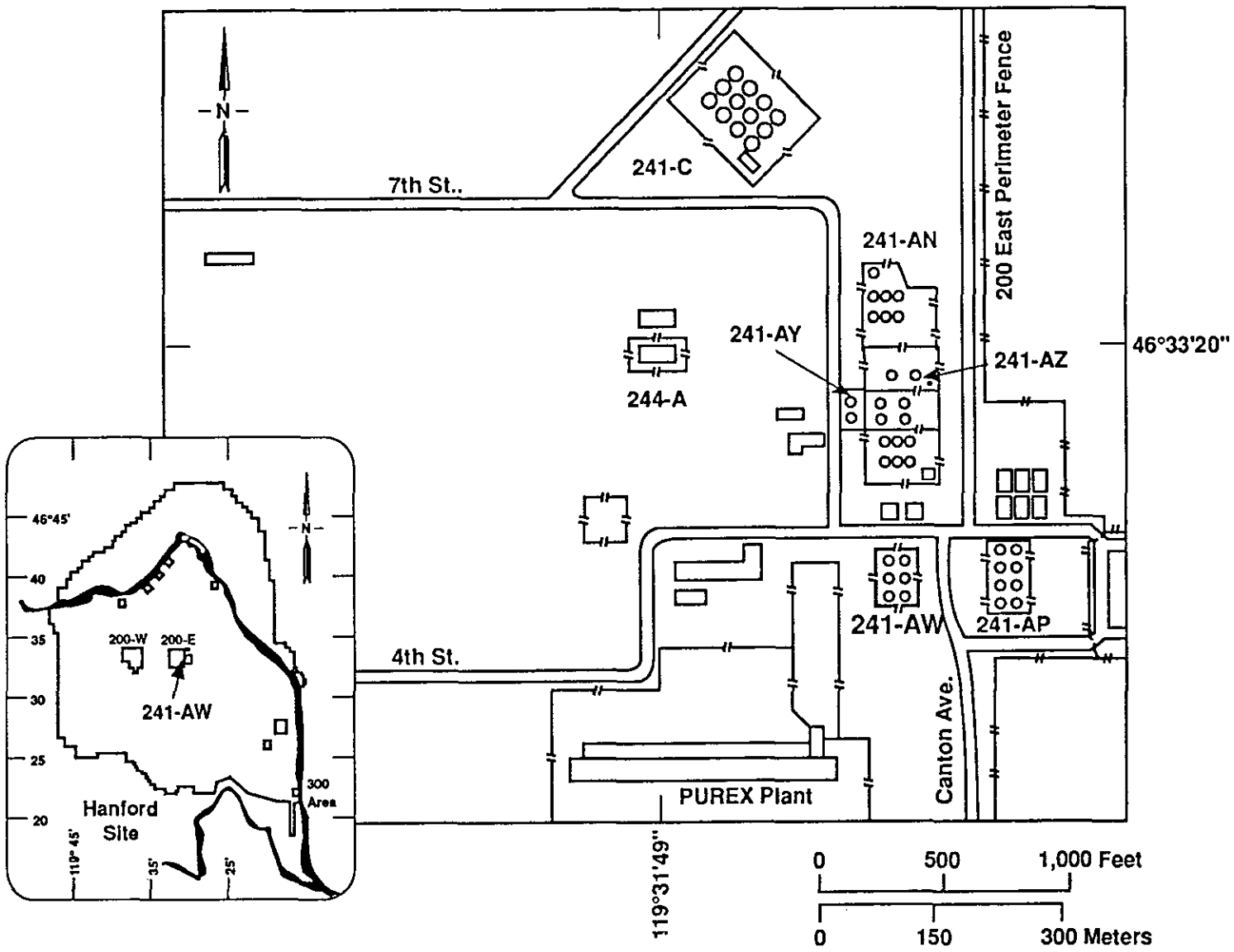
H9408030.17

241-AP Double-Shell Tank
Site Plan



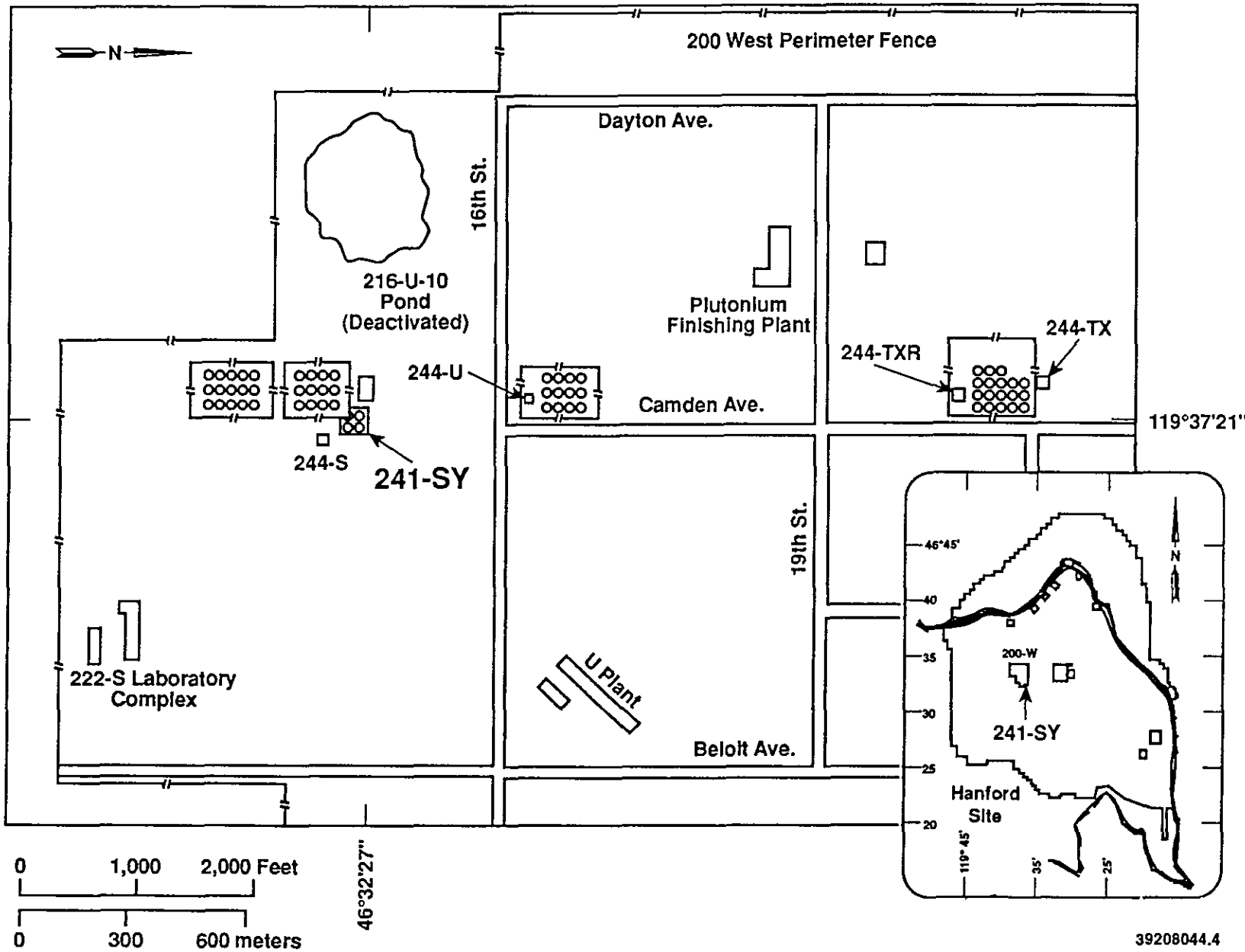
H9408030.18

241-AW Double-Shell Tank
Site Plan

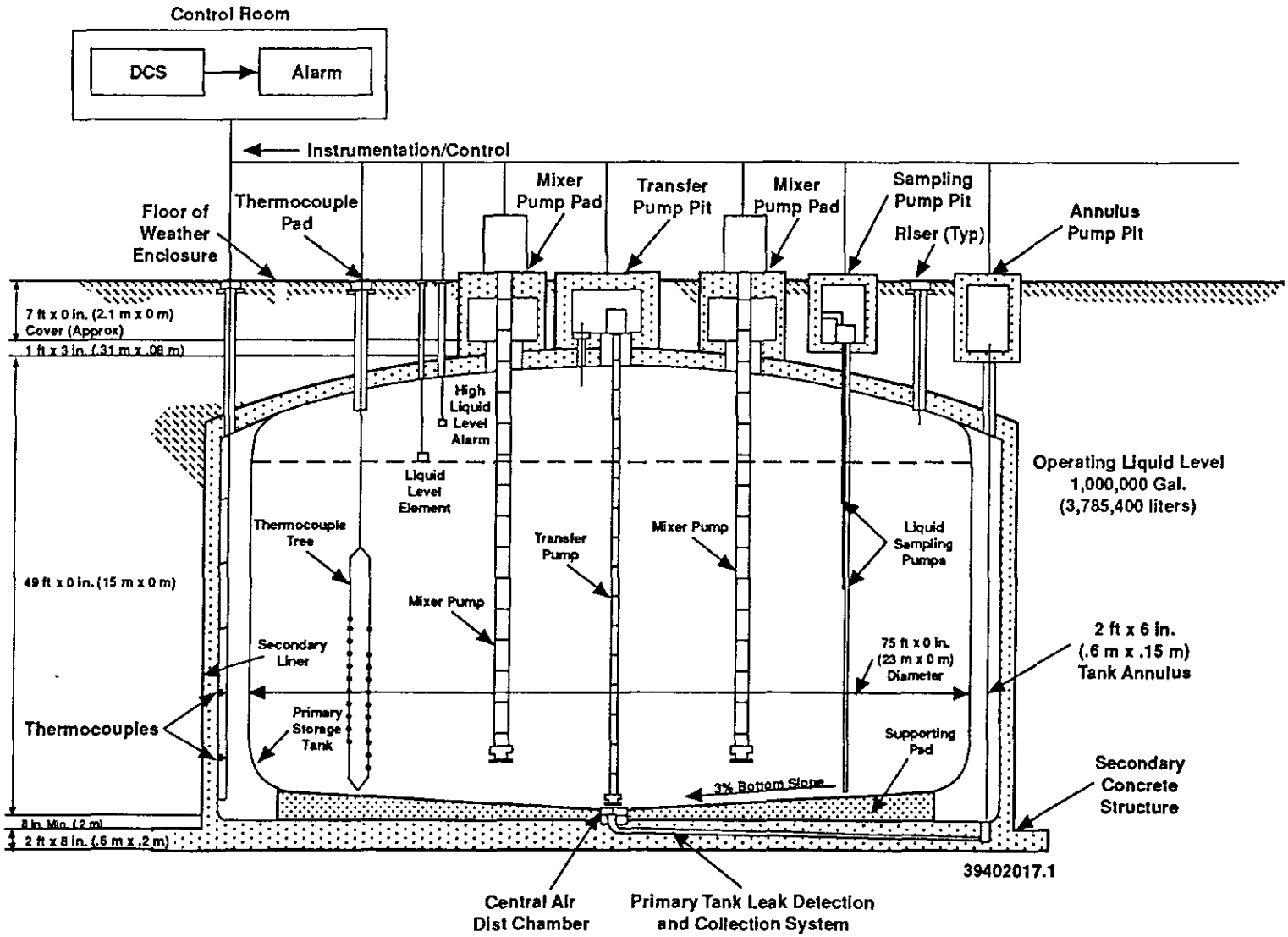


H9408030.19

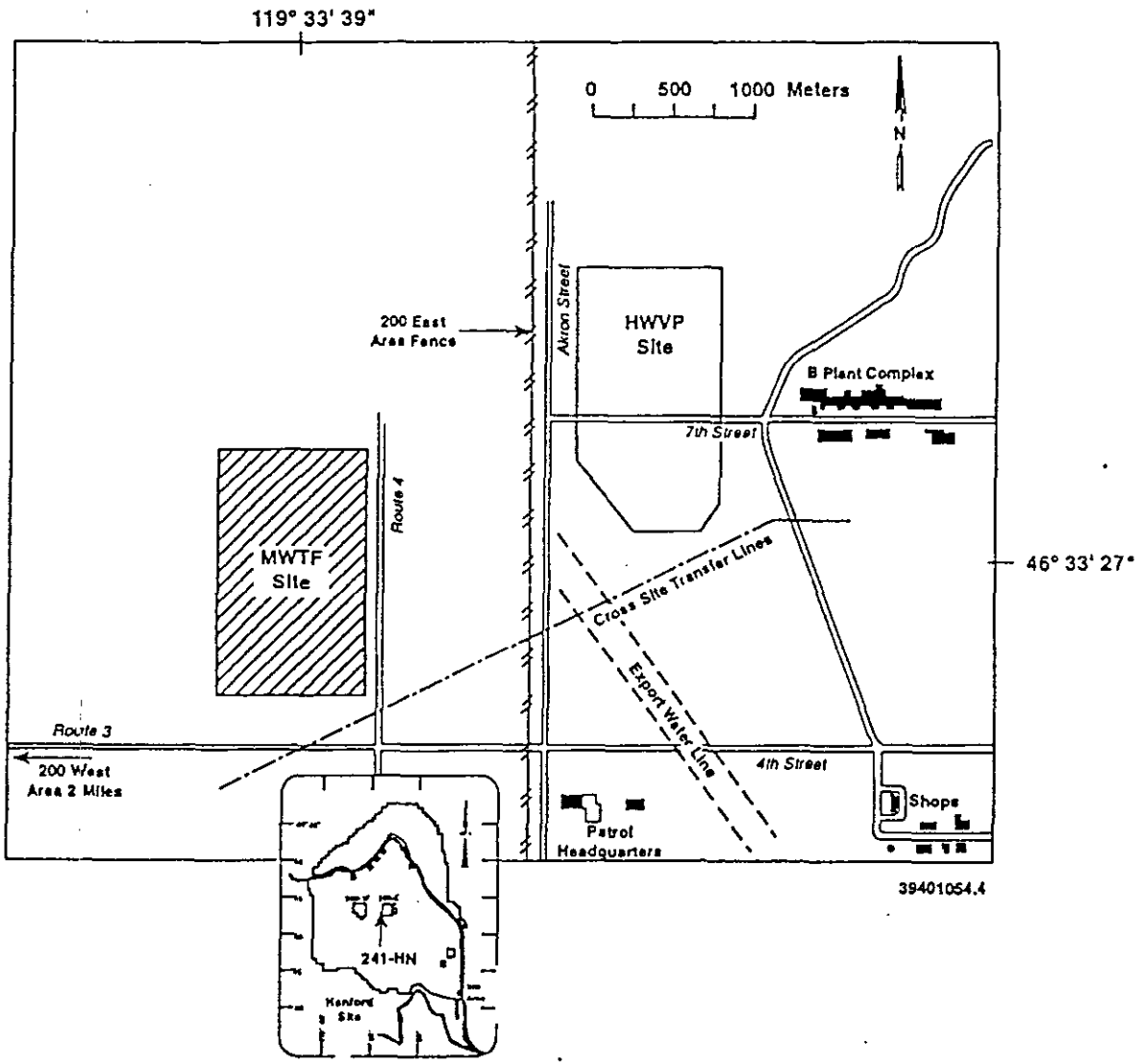
241-SY Double-Shell Tank
Site Plan



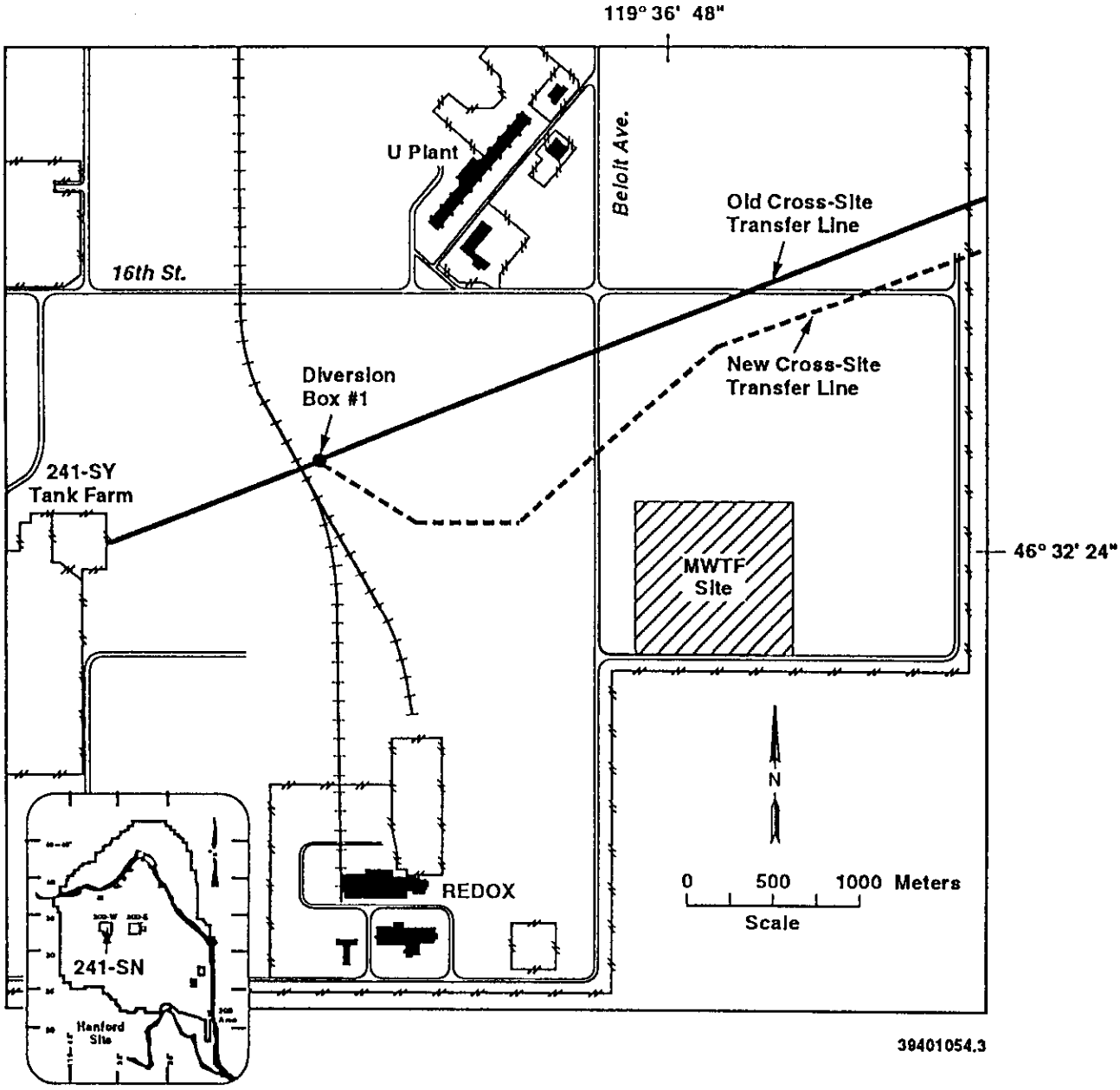
Typical Multi-Function Waste Tank Facility Double-Shell Tank



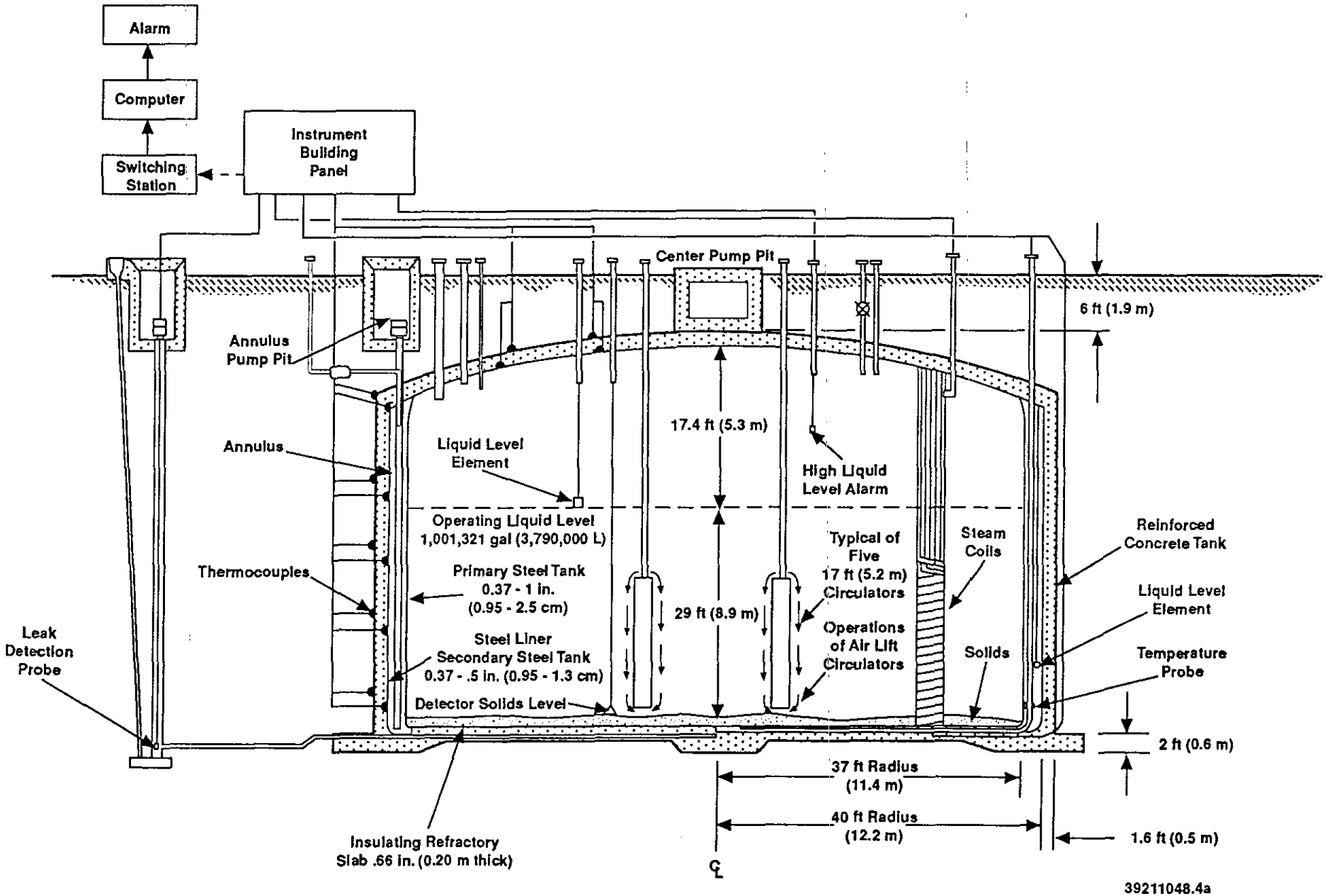
MULTI-FUNCTION WASTE TANK FACILITY
200 EAST AREA SITE



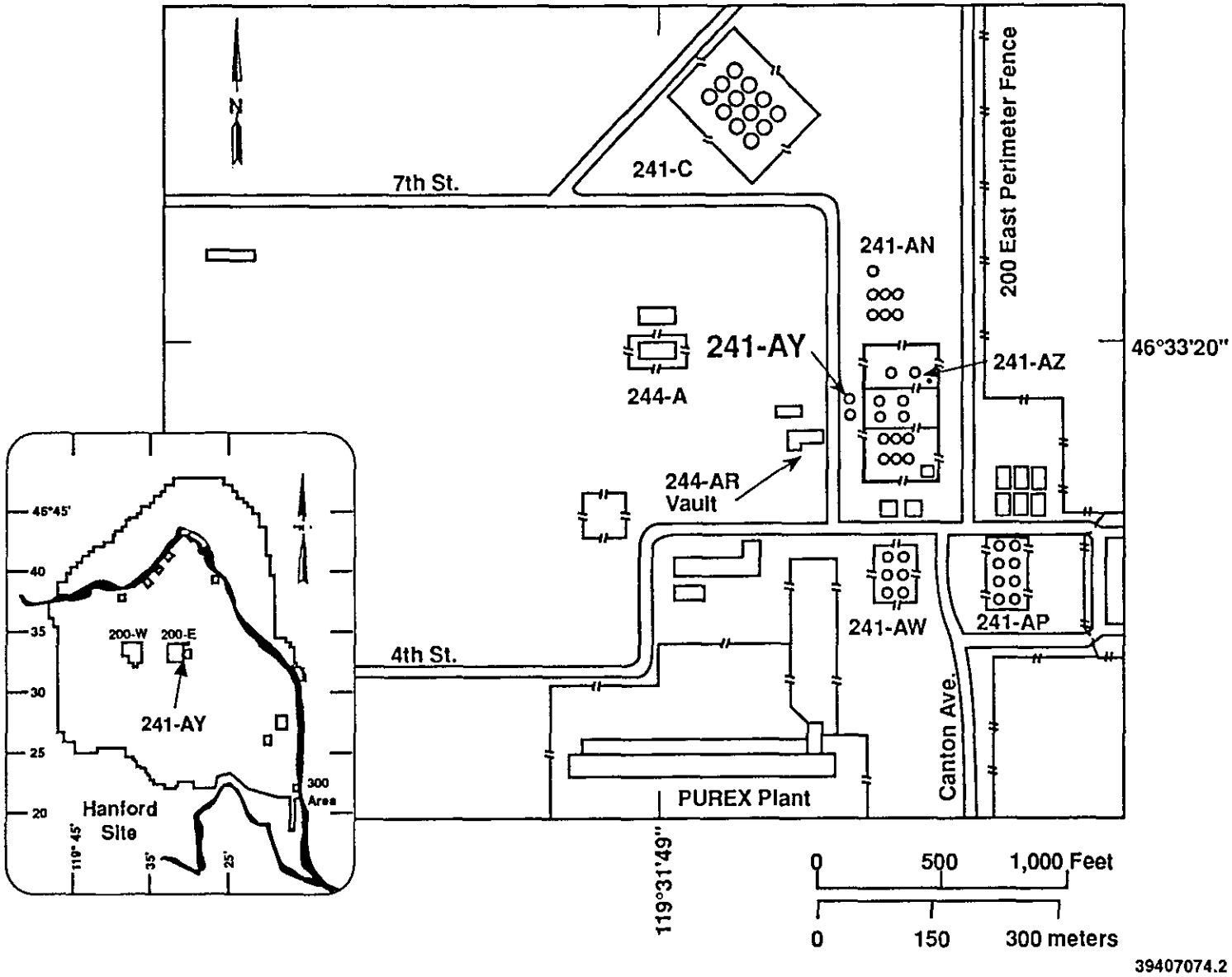
MULTI-FUNCTION WASTE TANK FACILITY
200 WEST AREA SITE



Typical Aging Waste Double-Shell Tank

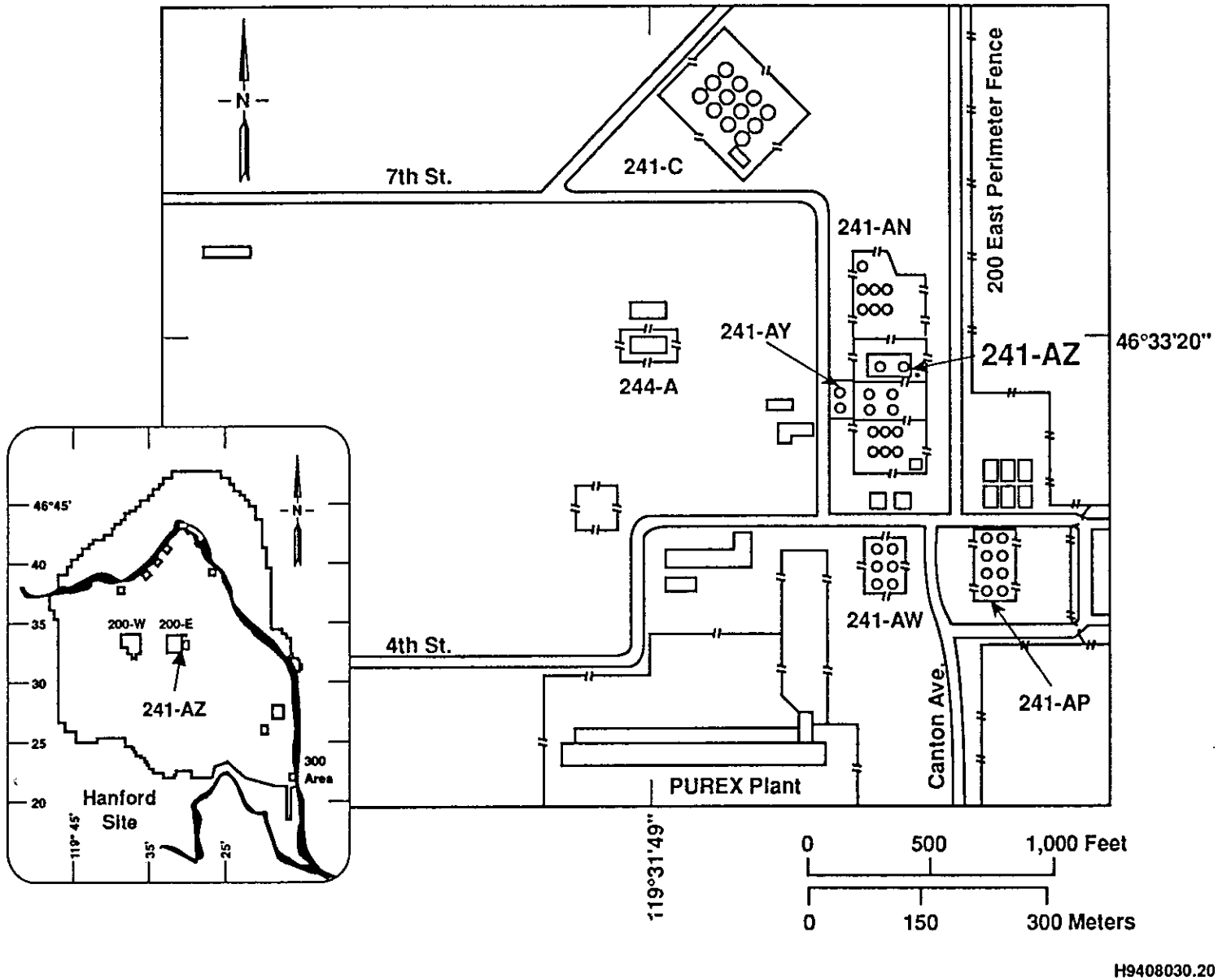


241-AY Aging Waste Double-Shell Tank
Site Plan



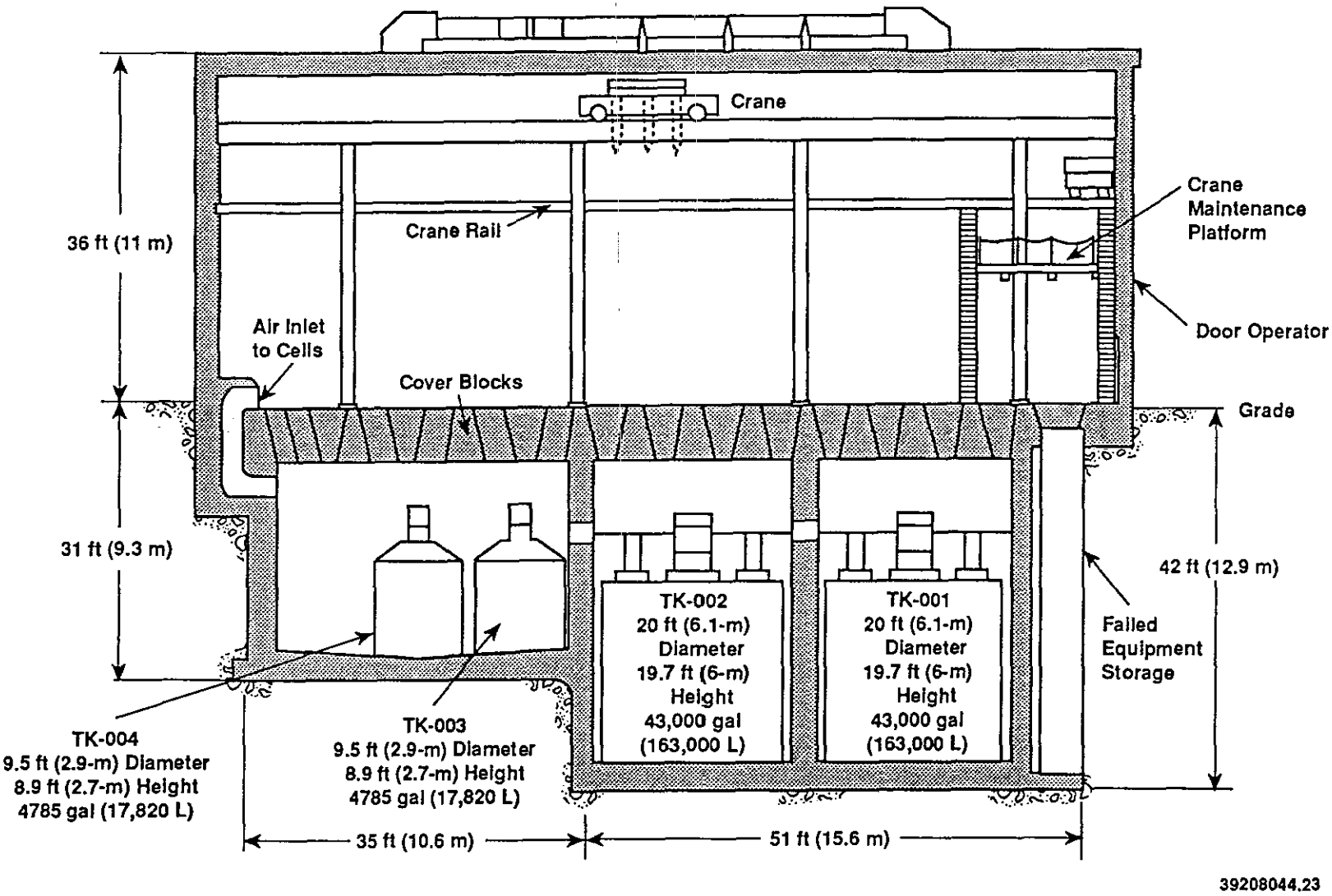
39407074.2

241-AZ Aging Waste Double-Shell Tank
Site Plan

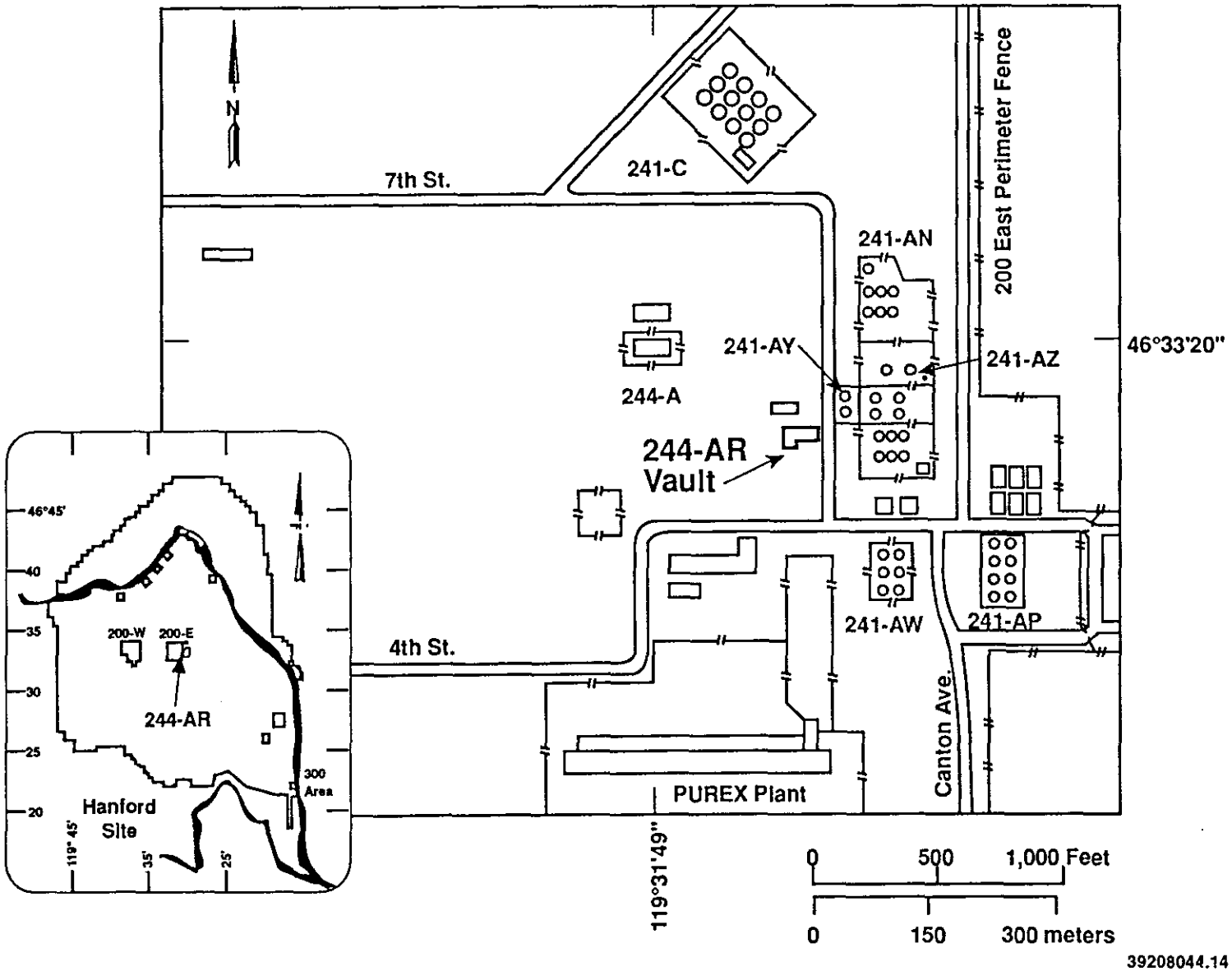


H9408030.20

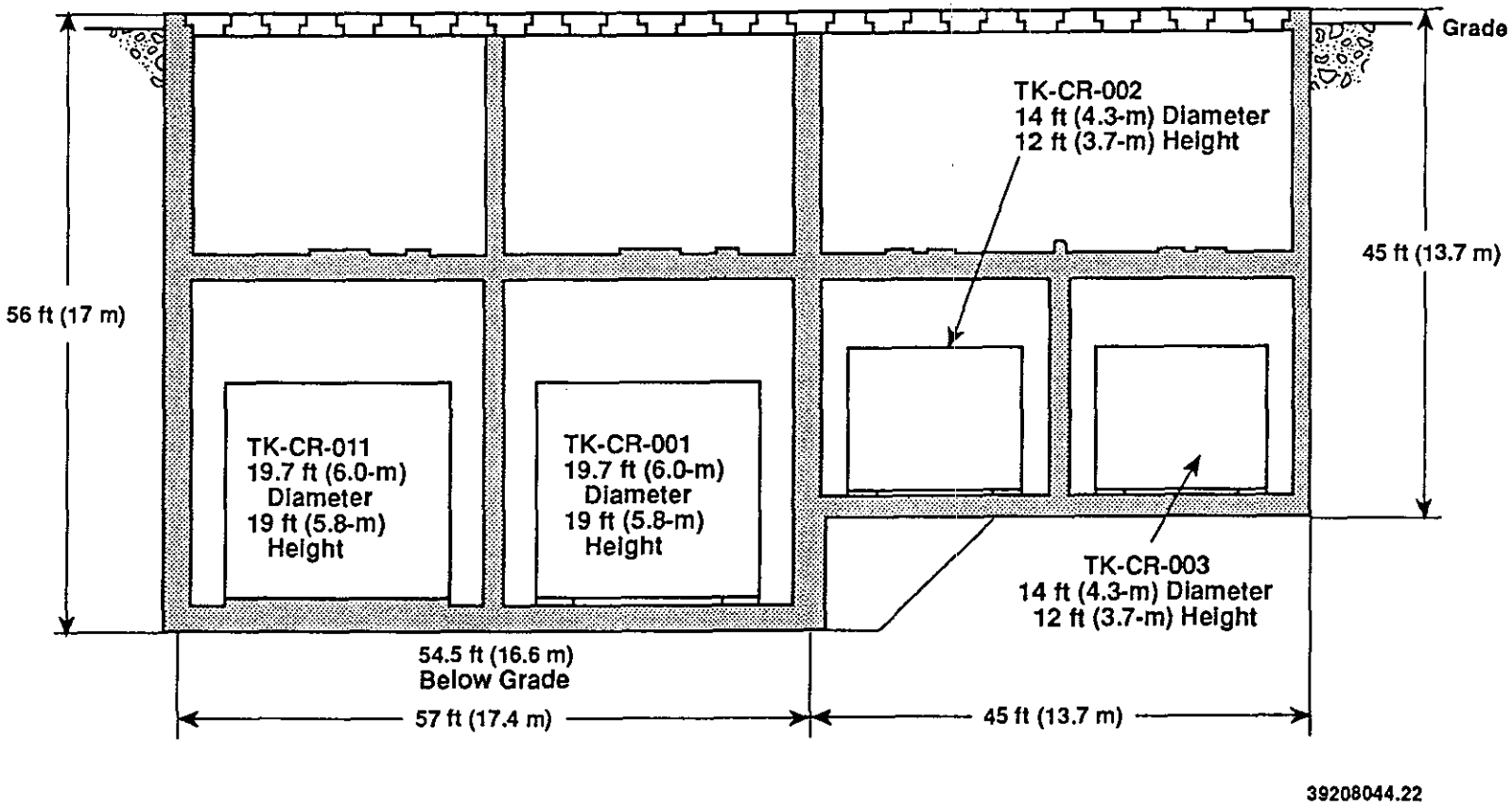
244-AR Vault


Crane
Crane Rail
Crane Maintenance Platform
Door Operator
36 ft (11 m)
Air Inlet to Cells
Cover Blocks
Grade
31 ft (9.3 m)
42 ft (12.9 m)
TK-002
20 ft (6.1-m) Diameter
19.7 ft (6-m) Height
43,000 gal (163,000 L)
TK-001
20 ft (6.1-m) Diameter
19.7 ft (6-m) Height
43,000 gal (163,000 L)
Failed Equipment Storage
TK-004
9.5 ft (2.9-m) Diameter
8.9 ft (2.7-m) Height
4785 gal (17,820 L)
TK-003
9.5 ft (2.9-m) Diameter
8.9 ft (2.7-m) Height
4785 gal (17,820 L)
35 ft (10.6 m)
51 ft (15.6 m)
39208044.23

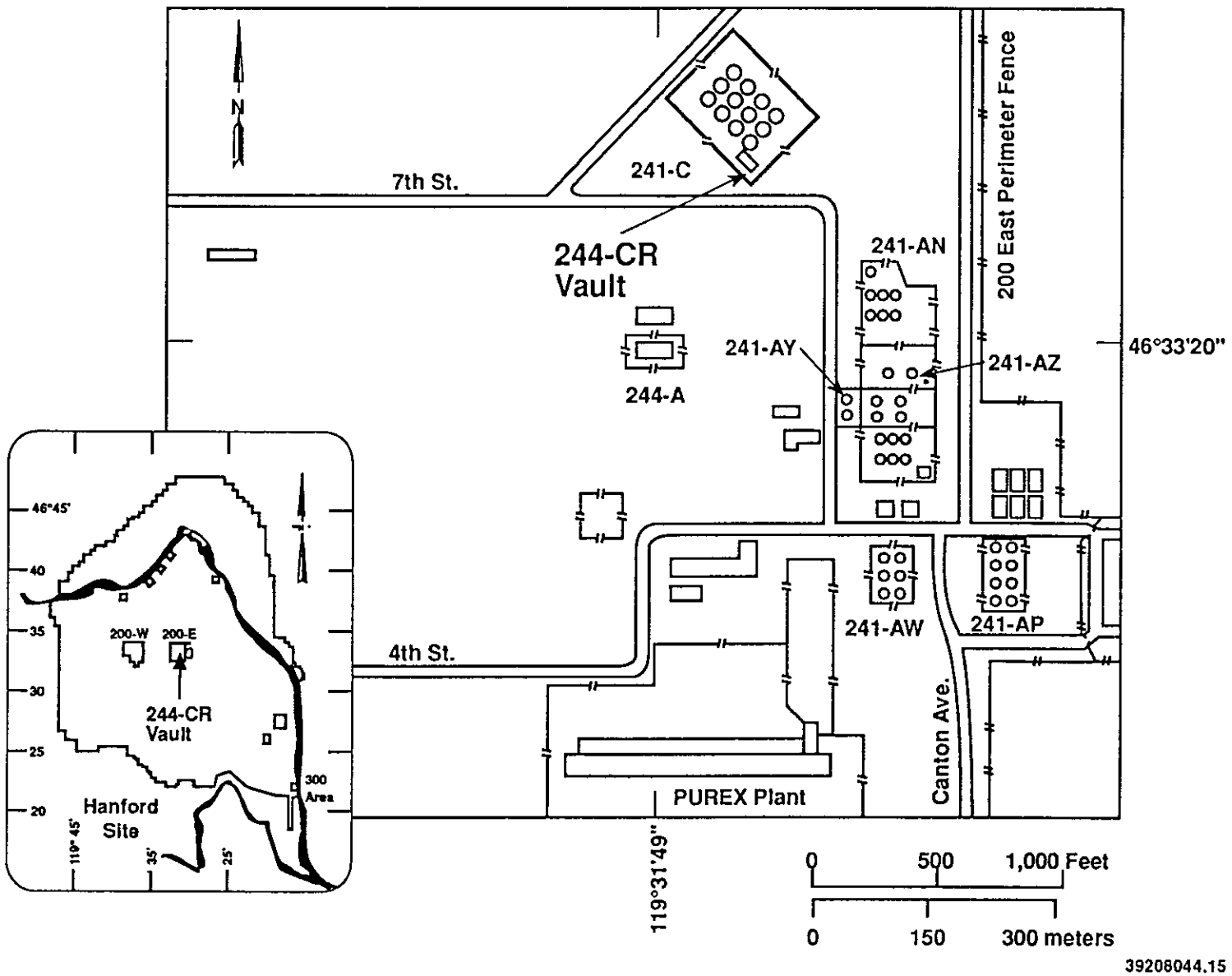
244-AR Vault
Site Plan



244-CR Vault

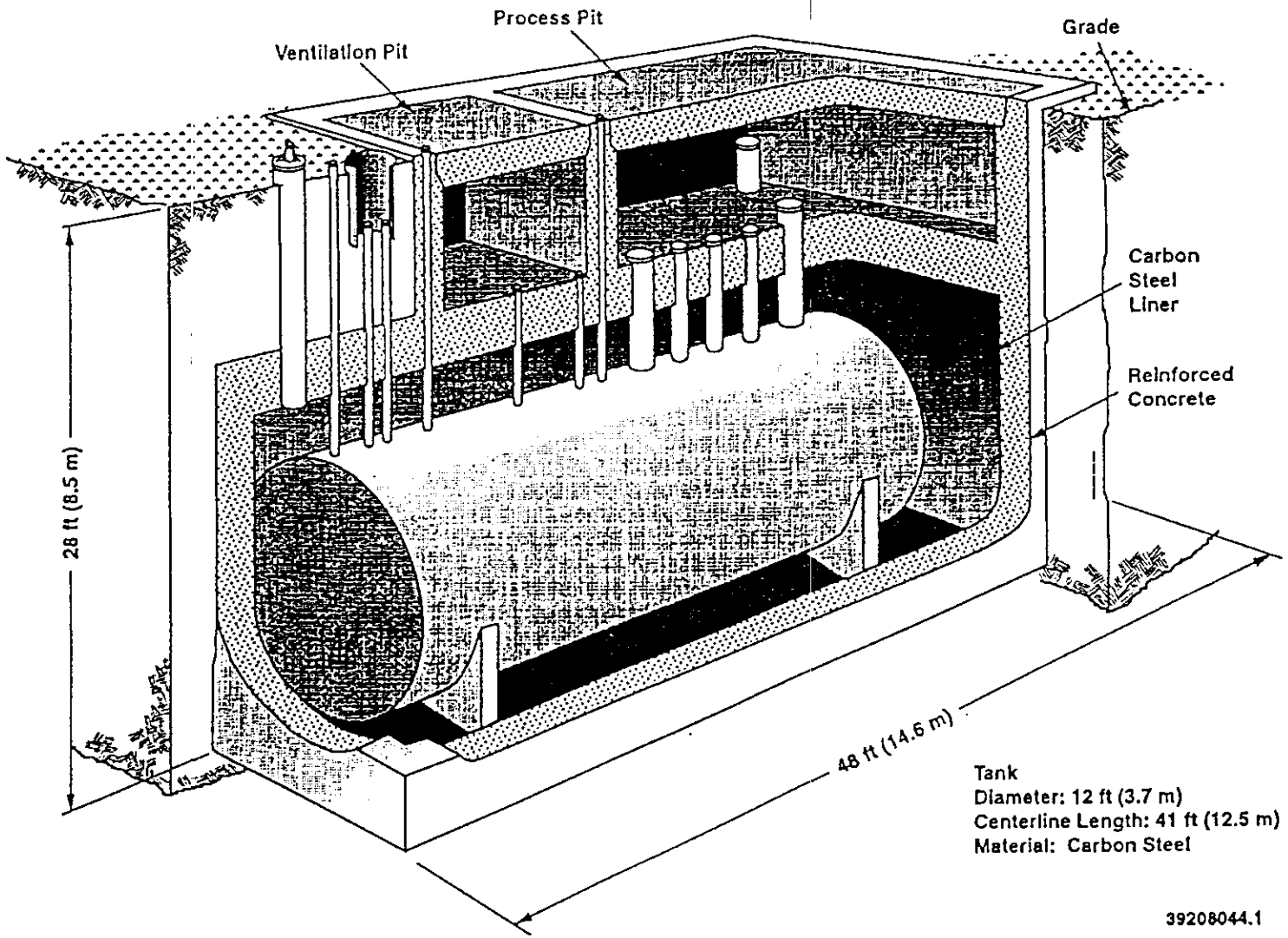

Grade
TK-CR-002
14 ft (4.3-m) Diameter
12 ft (3.7-m) Height
45 ft (13.7 m)
56 ft (17 m)
TK-CR-011
19.7 ft (6.0-m)
Diameter
19 ft (5.8-m)
Height
TK-CR-001
19.7 ft (6.0-m)
Diameter
19 ft (5.8-m)
Height
TK-CR-003
14 ft (4.3-m) Diameter
12 ft (3.7-m) Height
54.5 ft (16.6 m)
Below Grade
57 ft (17.4 m)
45 ft (13.7 m)
39208044.22

244-CR Vault
Site Plan

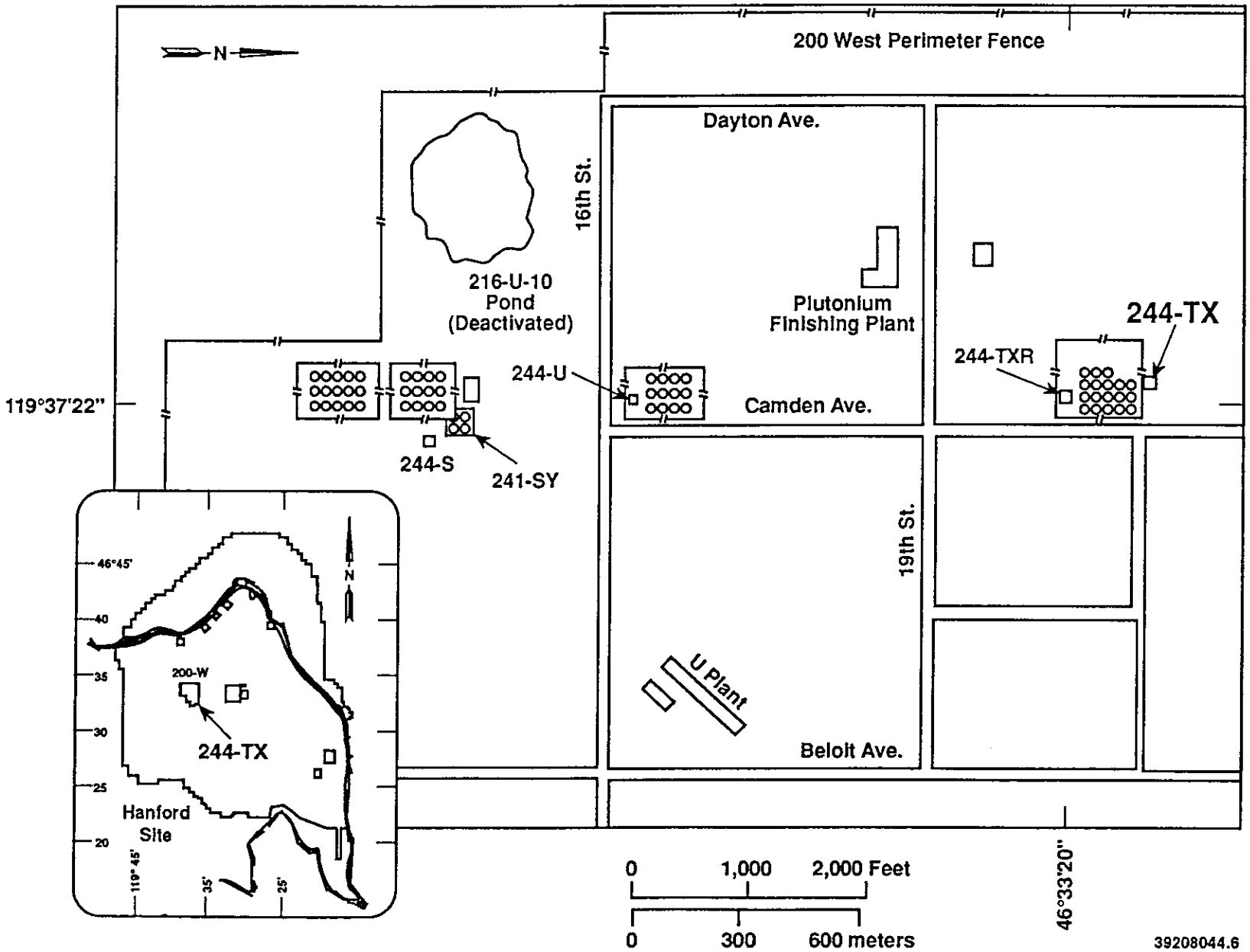


39208044.15

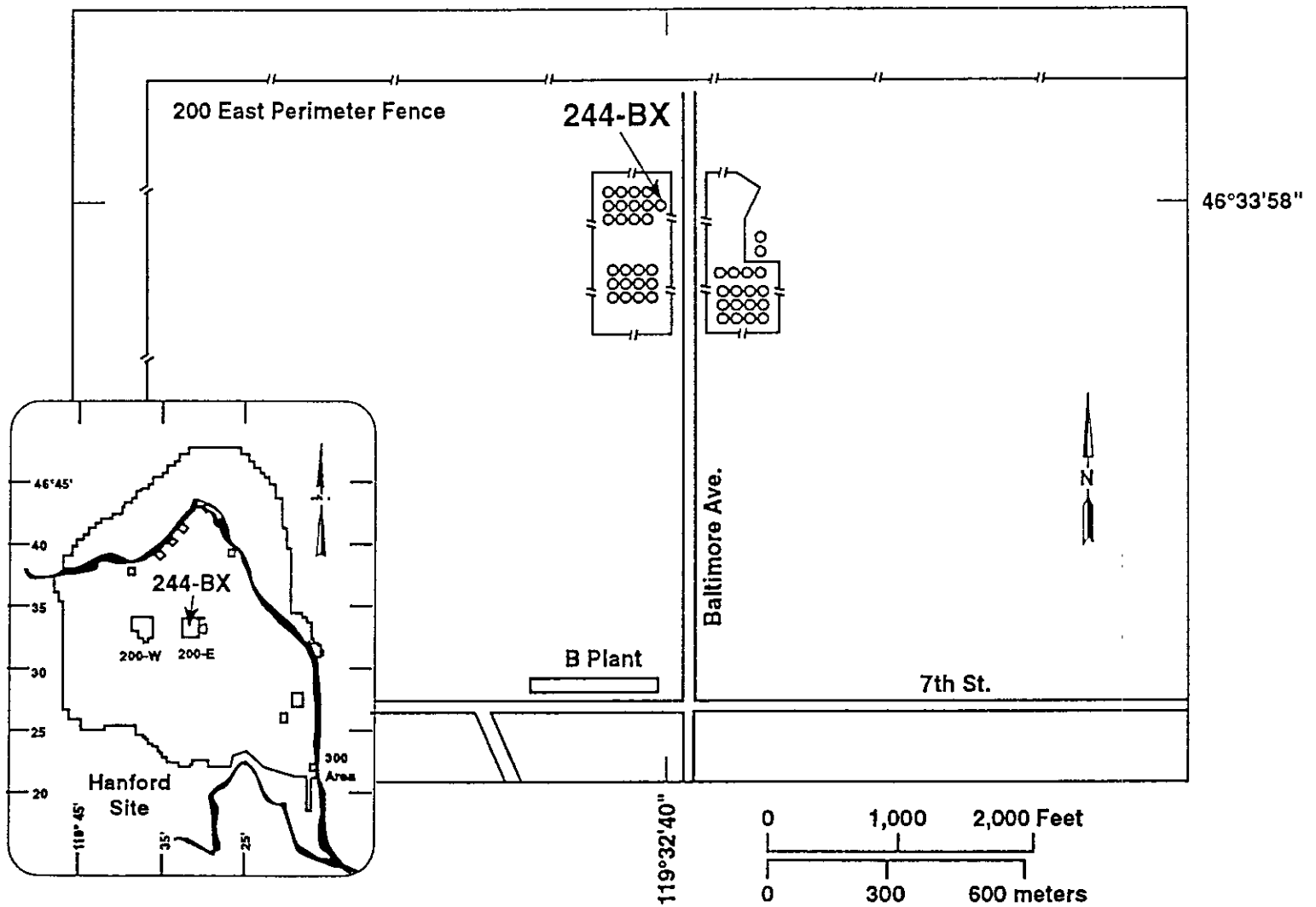
TYPICAL DOUBLE-CONTAINED RECEIVER TANK



244-TX Double-Contained Receiver Tank
Site Plan

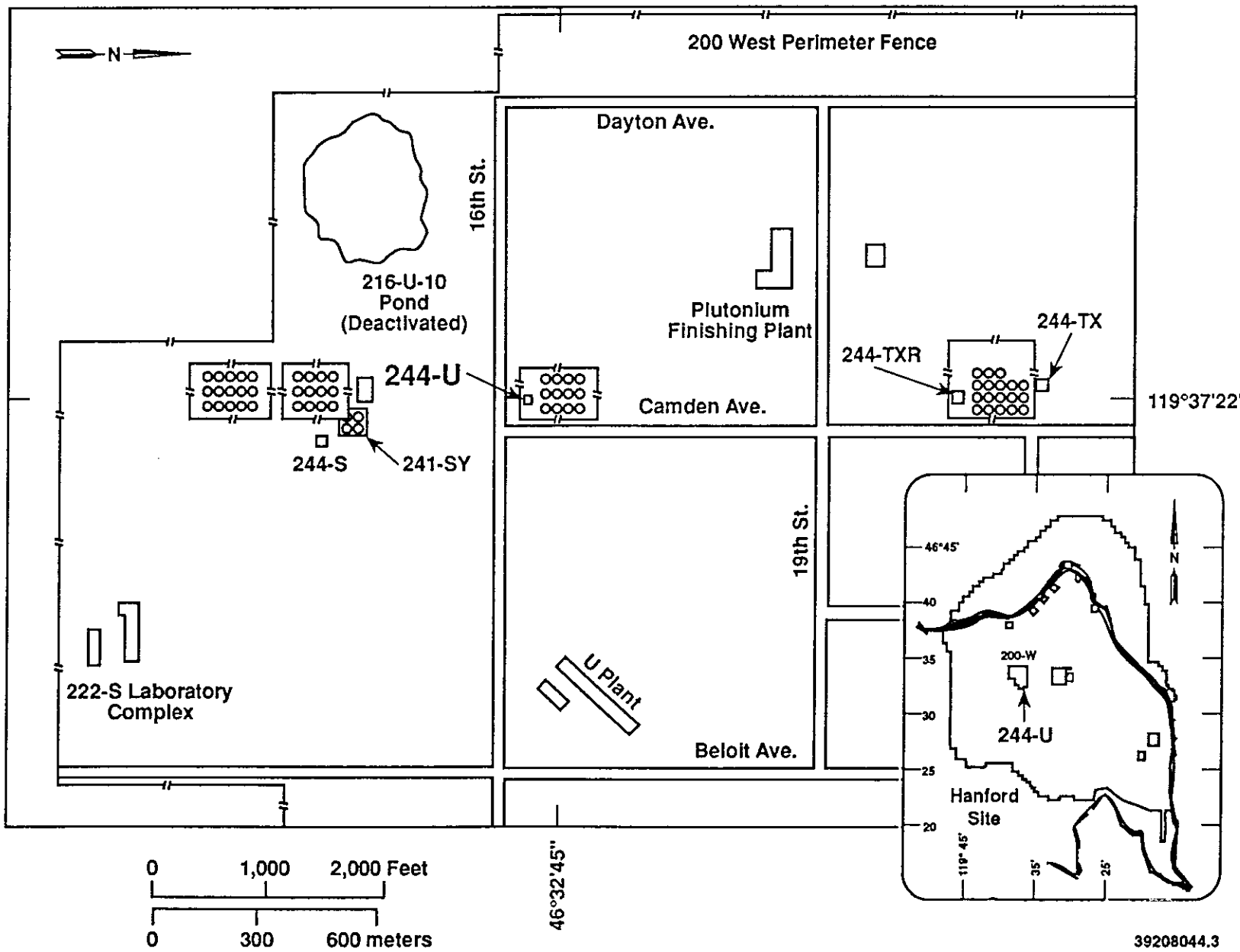


244-BX Double-Contained Receiver Tank
Site Plan

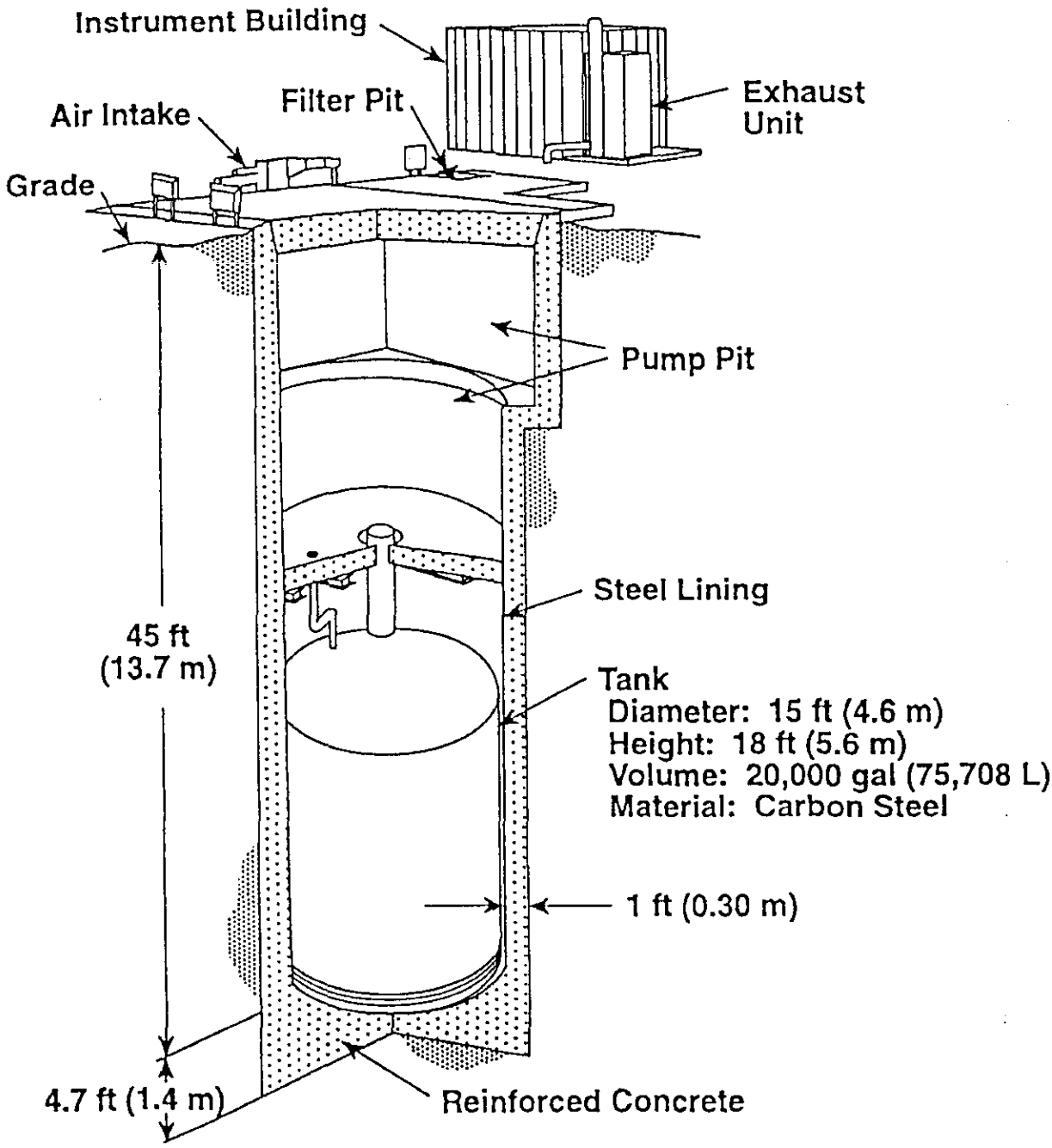


39208044.7

244-U Double-Contained Receiver Tank
Site Plan

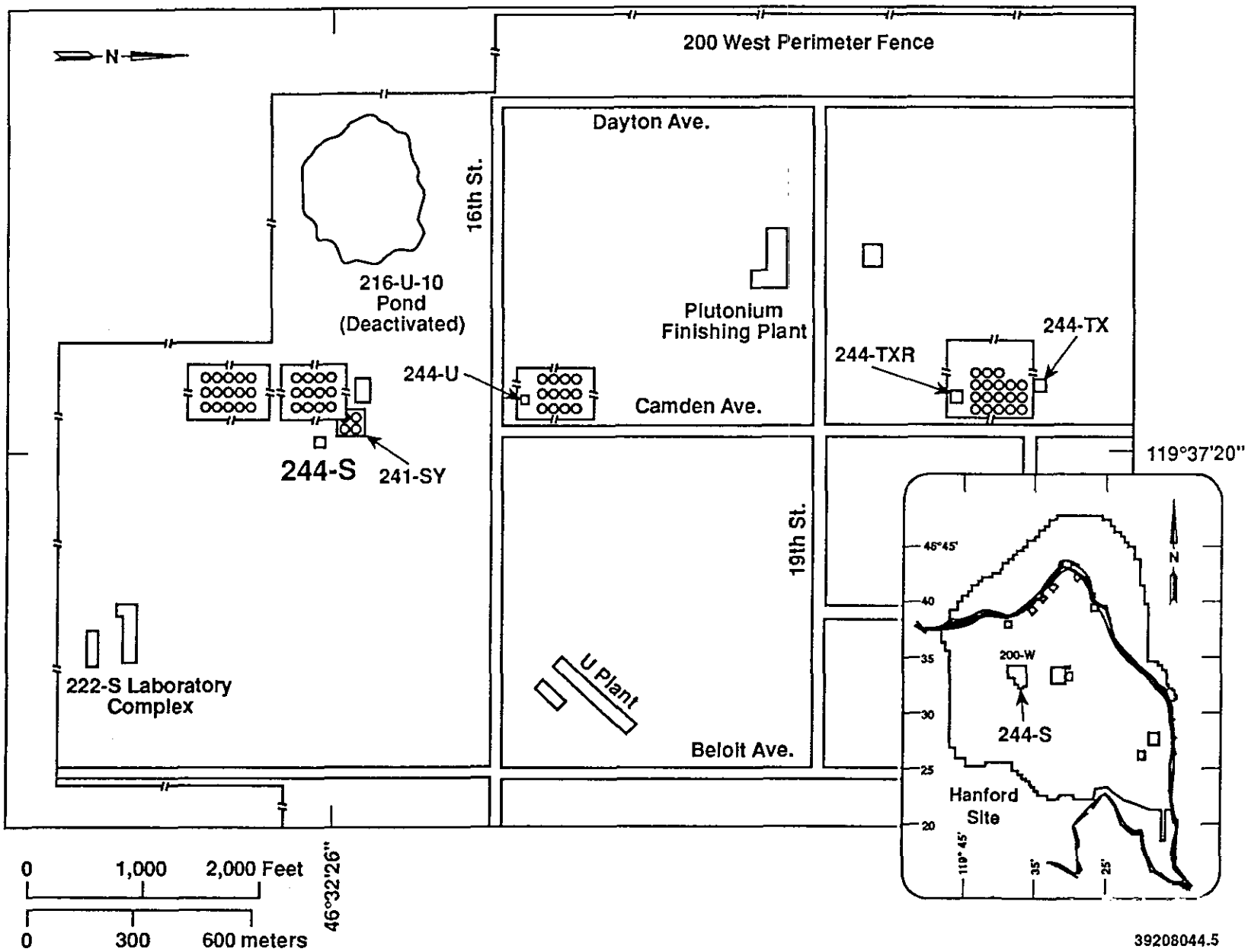


Typical Double-Contained Receiver Tank

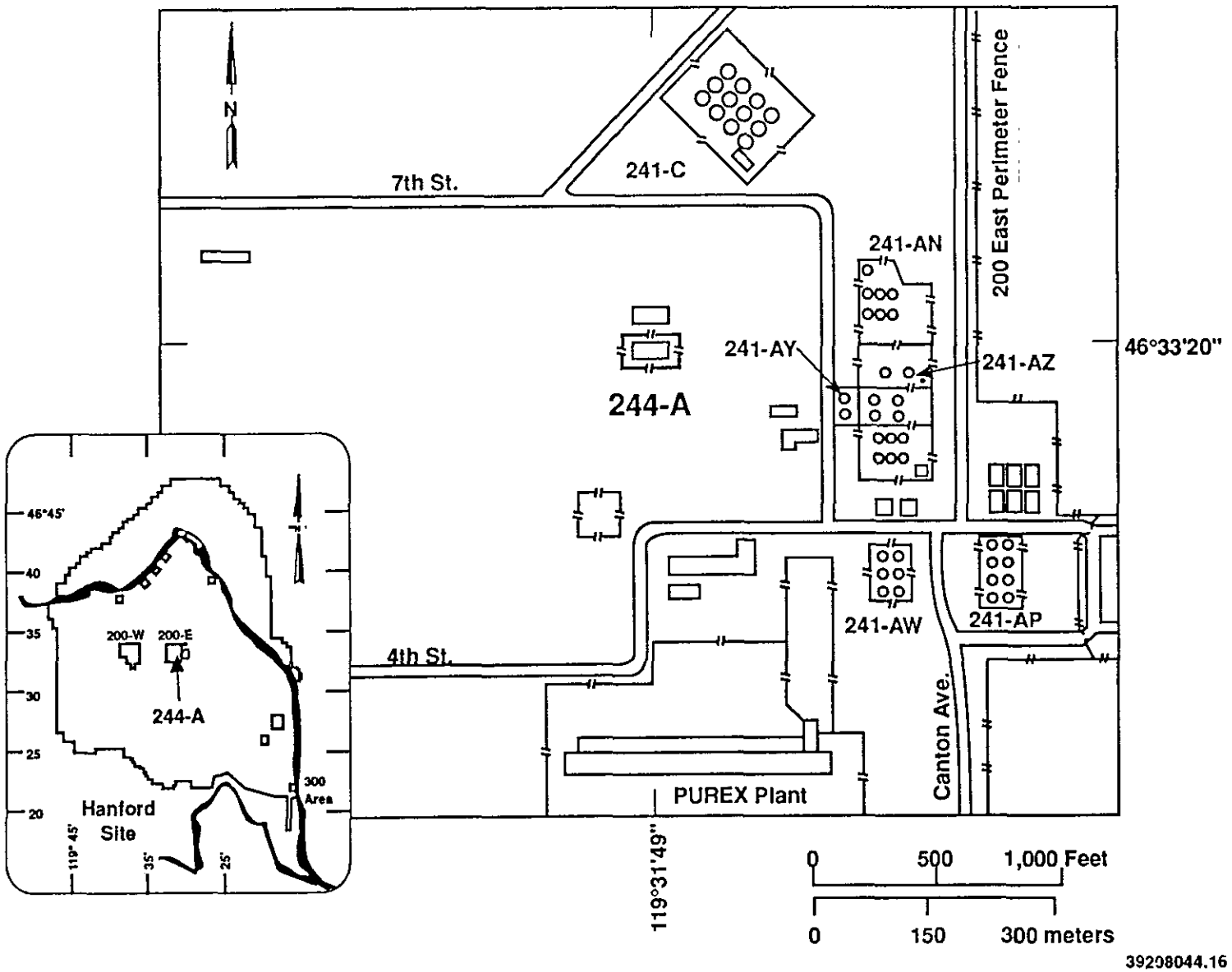


39208044.21

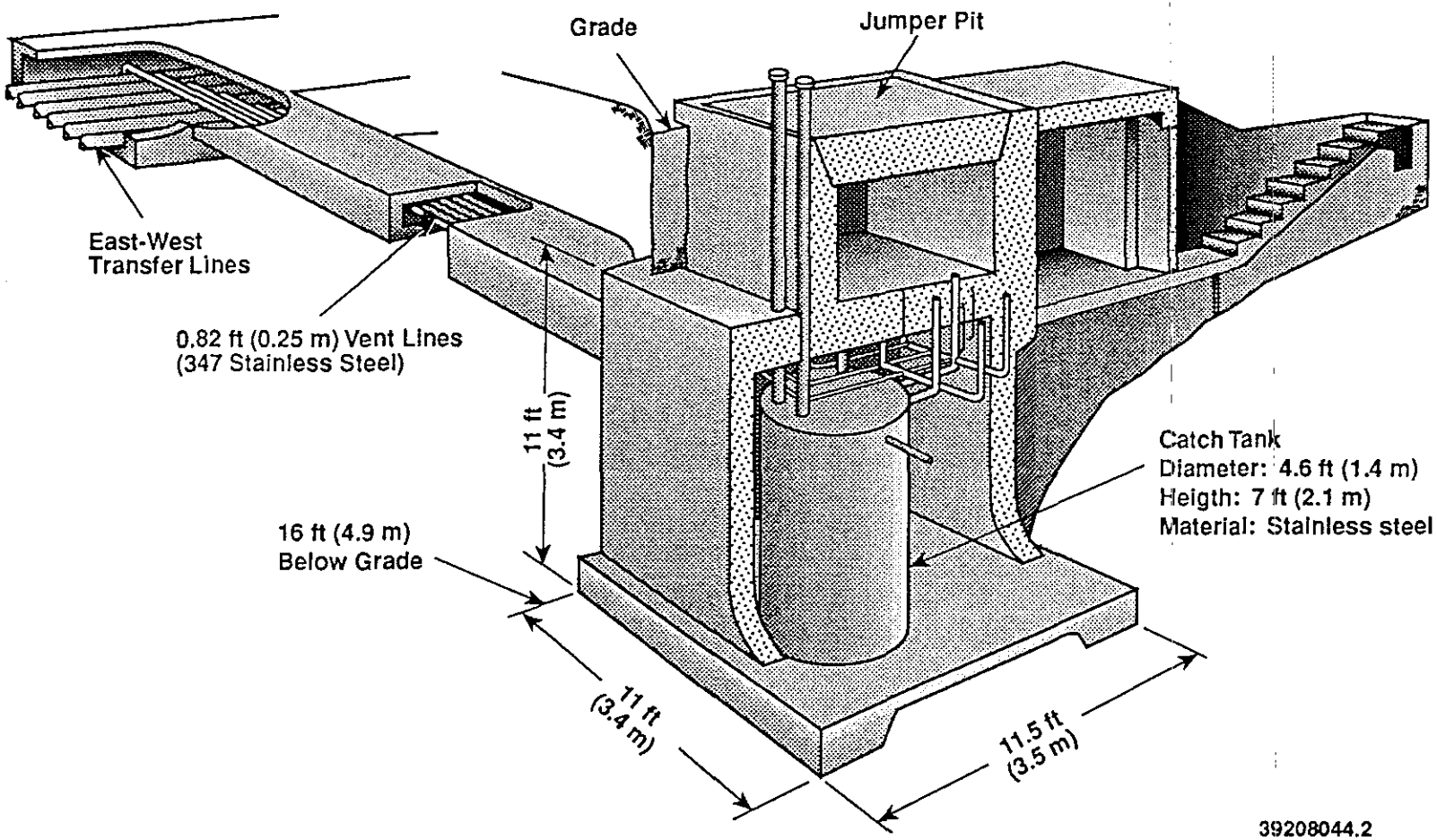
244-S Double-Contained Receiver Tank
Site Plan



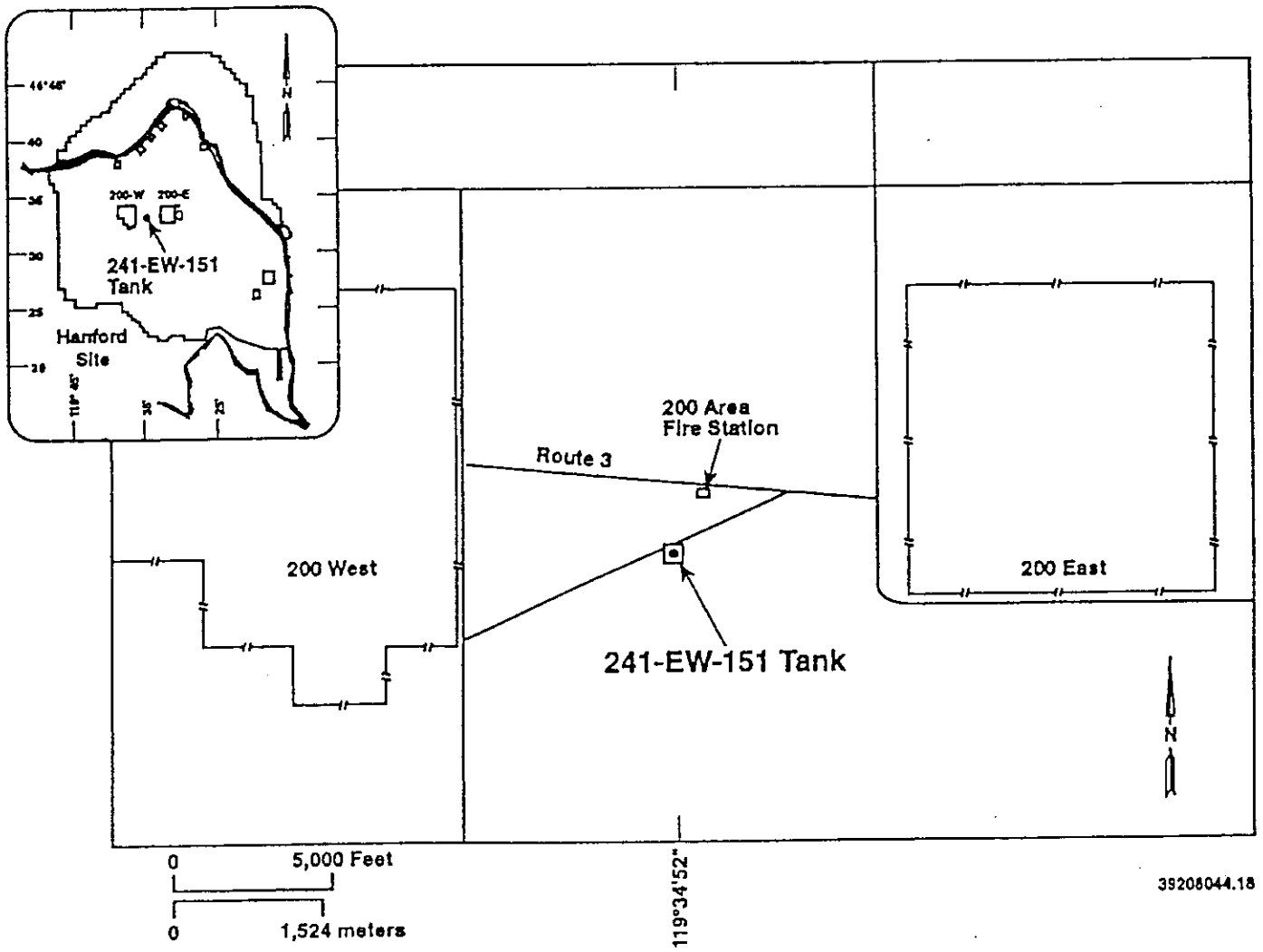
244-A Double-Contained Receiver Tank
Site Plan



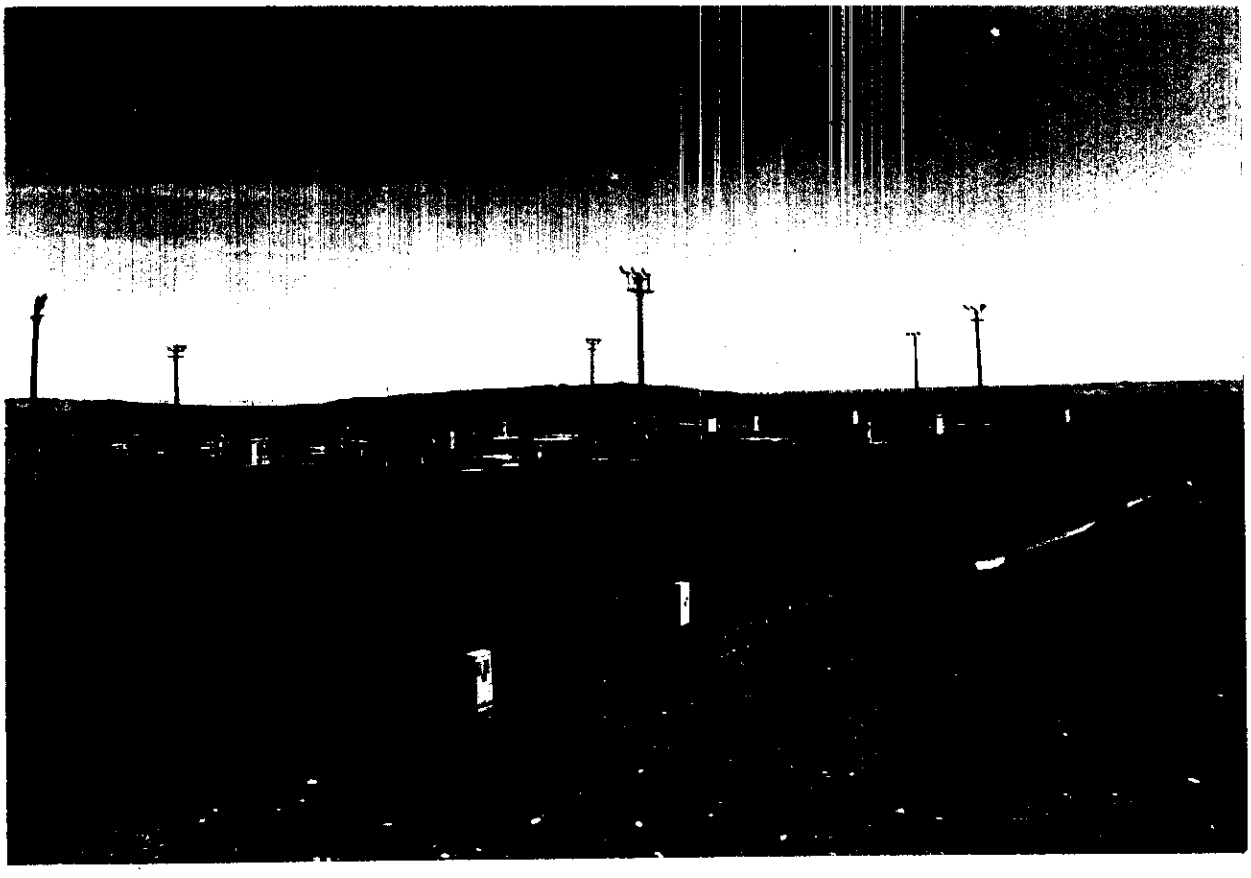
241-EW-151 TANK
(200 AREA EAST-WEST VENT STATION)



241-EW-151 Tank
(200 Area East-West Vent Station)
Site Plan



241-AN DOUBLE-SHELL TANKS



46°33'25"
119°31'37"

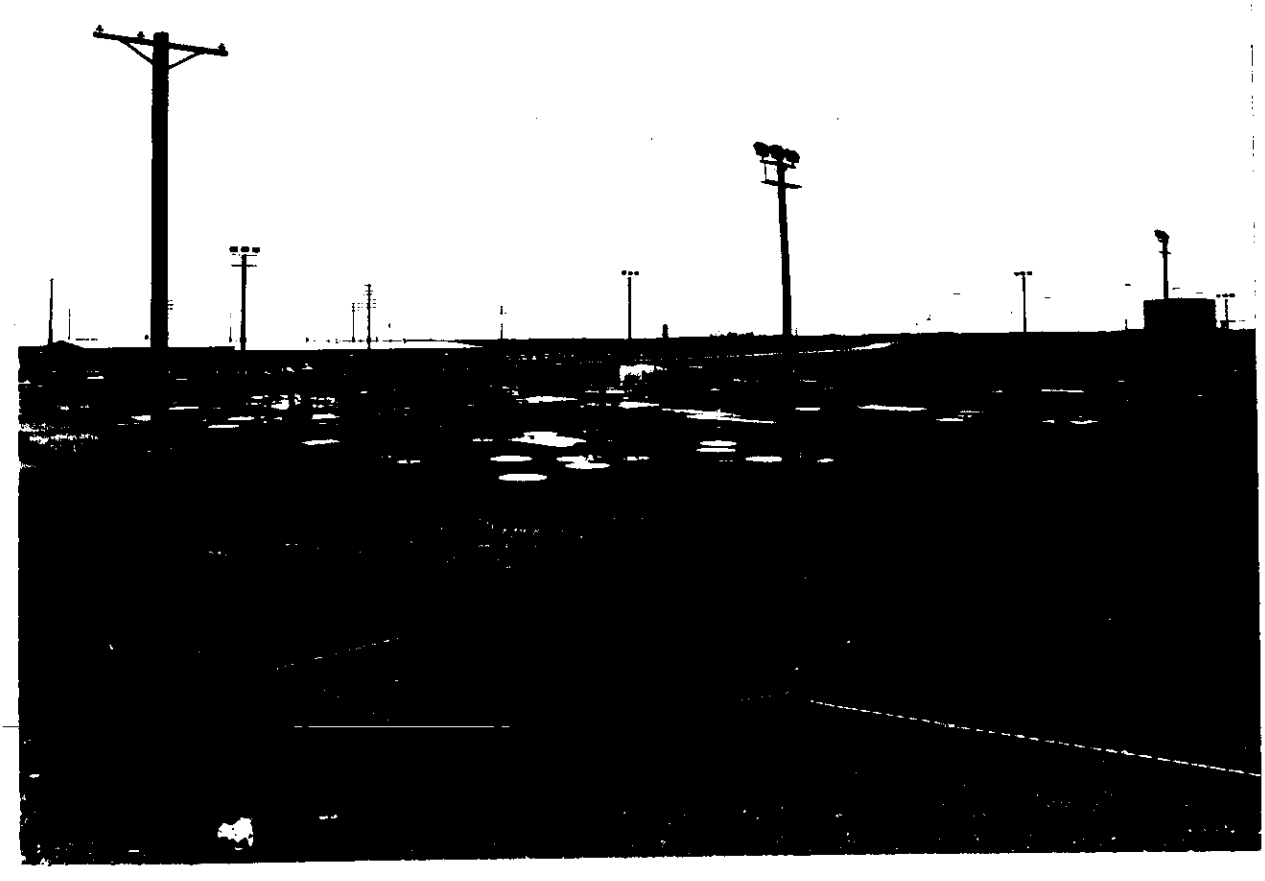
8704135-8CN
(PHOTO TAKEN 1987)

241-AP DOUBLE-SHELL TANKS

46°33'7"
119°31'38"

8704135-12CN
(PHOTO TAKEN 1987)

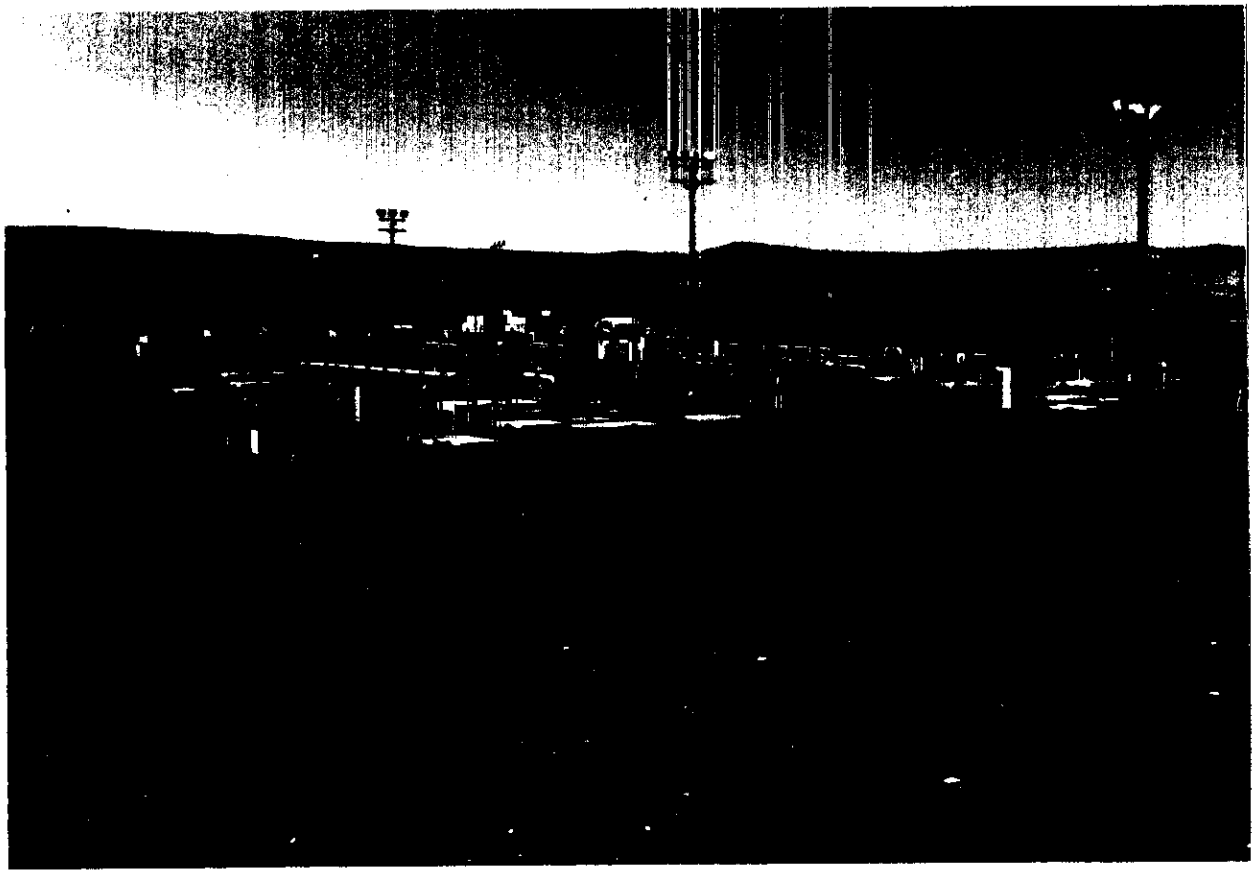
241-AW DOUBLE-SHELL TANKS



46°33'7"
119°31'35"

8704135-11CN
(PHOTO TAKEN 1987)

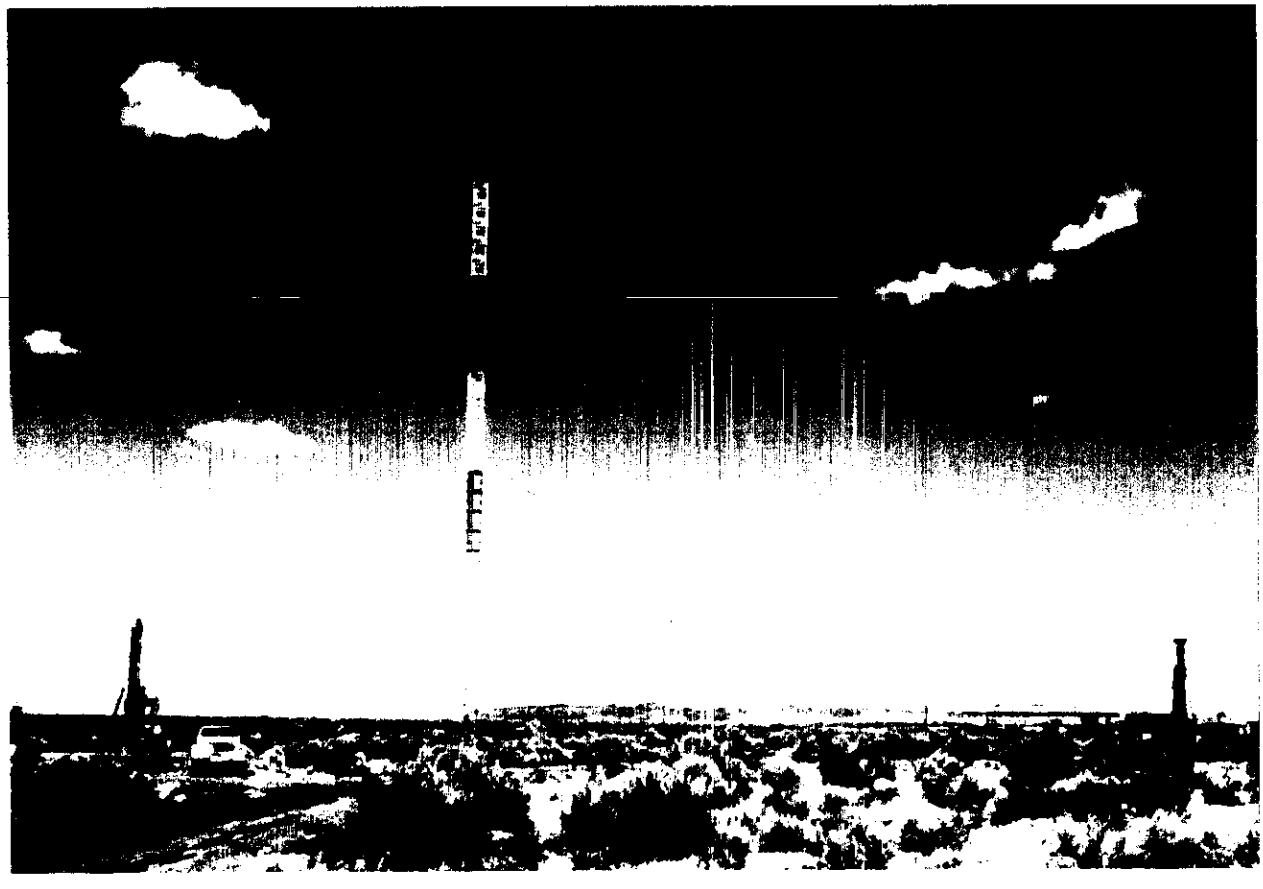
241-SY DOUBLE-SHELL TANKS



46°32'27"
119°37'21"

8704135-2CN
(PHOTO TAKEN 1987)

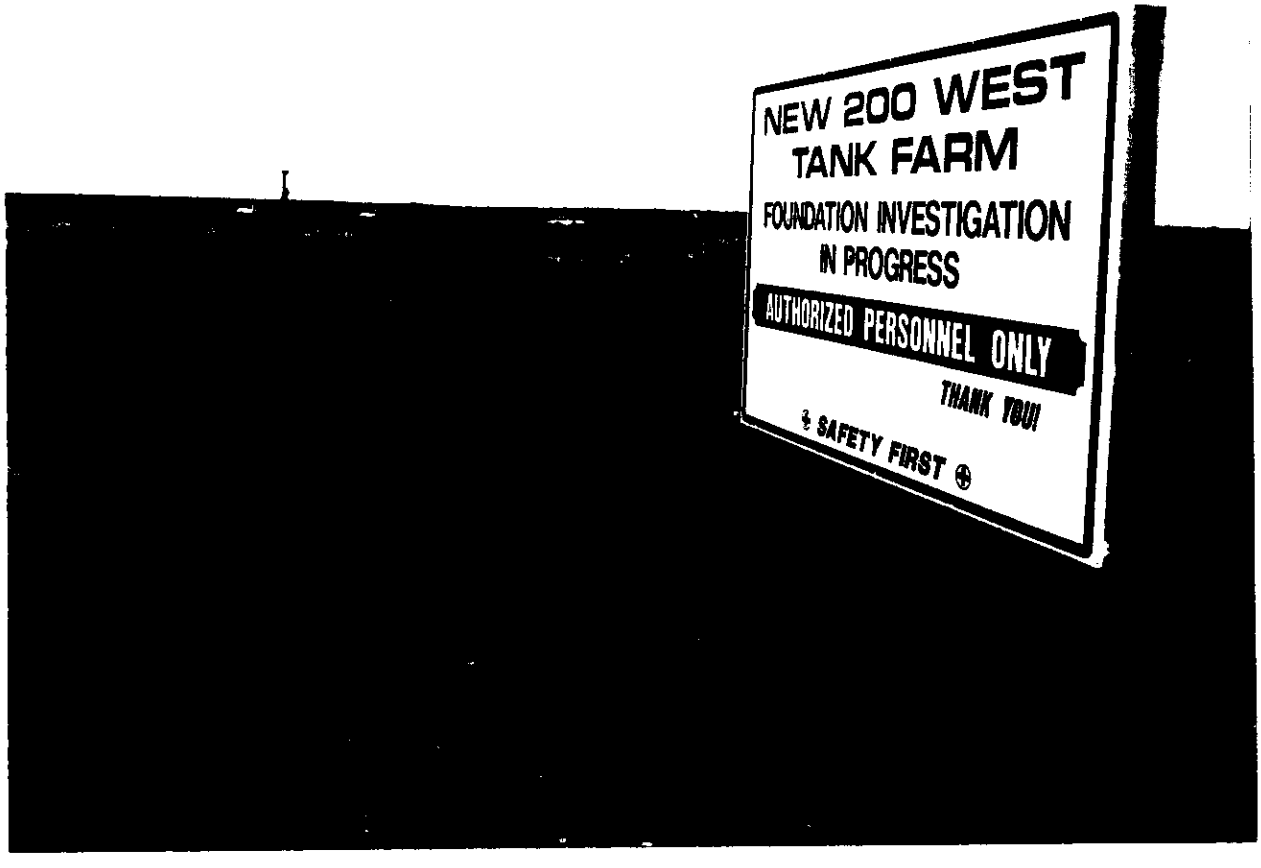
MULTI-FUNCTION WASTE TANK FACILITY
241-HN DOUBLE-SHELL TANKS SITE



46°33'27"
119°33'39"

93081137-1CN
(PHOTO TAKEN 1993)

MULTI-FUNCTION WASTE TANK FACILITY
241-SN DOUBLE-SHELL TANKS SITE



46°32'24"
119°36'48"

93120508-1CN
(PHOTO TAKEN 1993)

241-AY AGING WASTE DOUBLE-SHELL TANKS

46°33'17"
119°31'39"

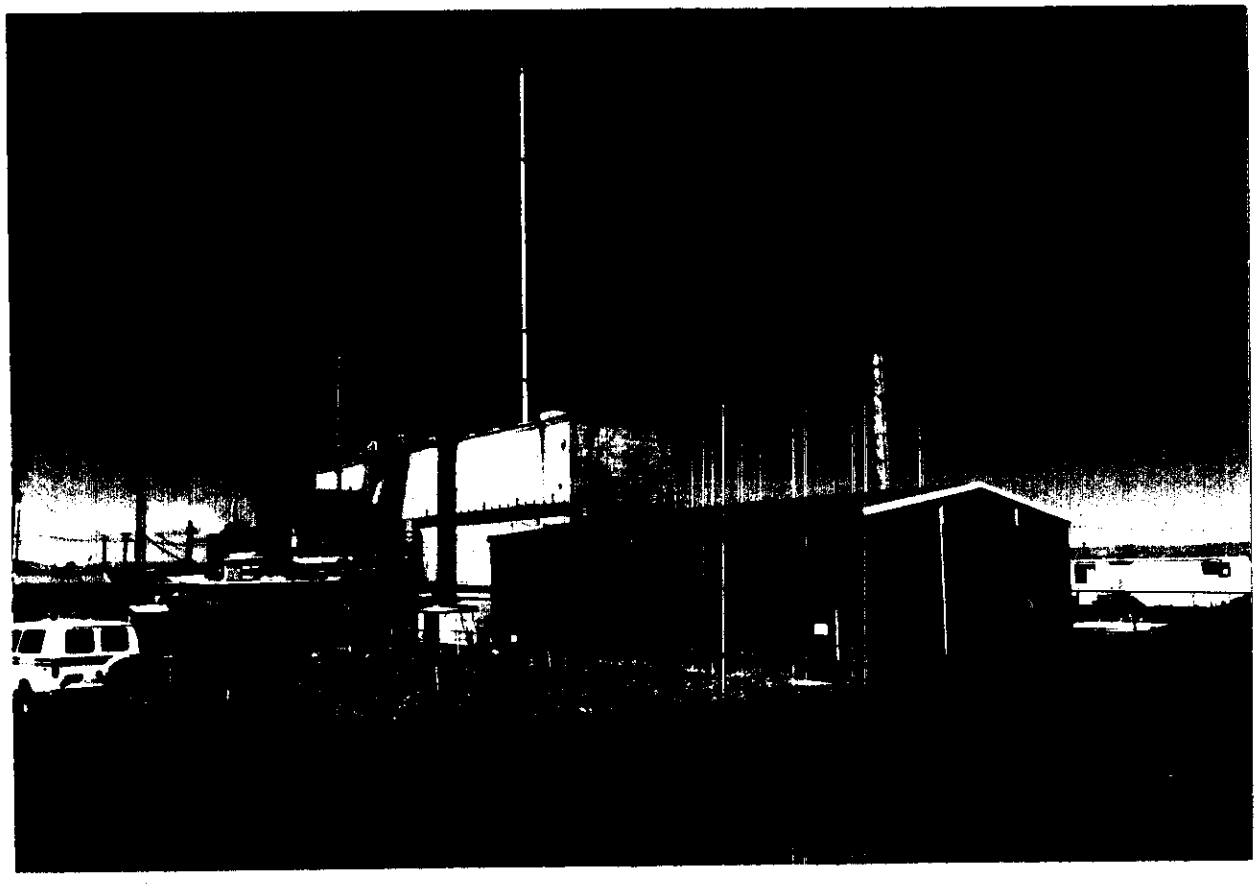
8704135-10CN
(PHOTO TAKEN 1987)

241-AZ AGING WASTE DOUBLE-SHELL TANKS

46°33'19"
119°31'35"

8704135-9CN
(PHOTO TAKEN 1987)

244-AR VAULTS



46°33'13"
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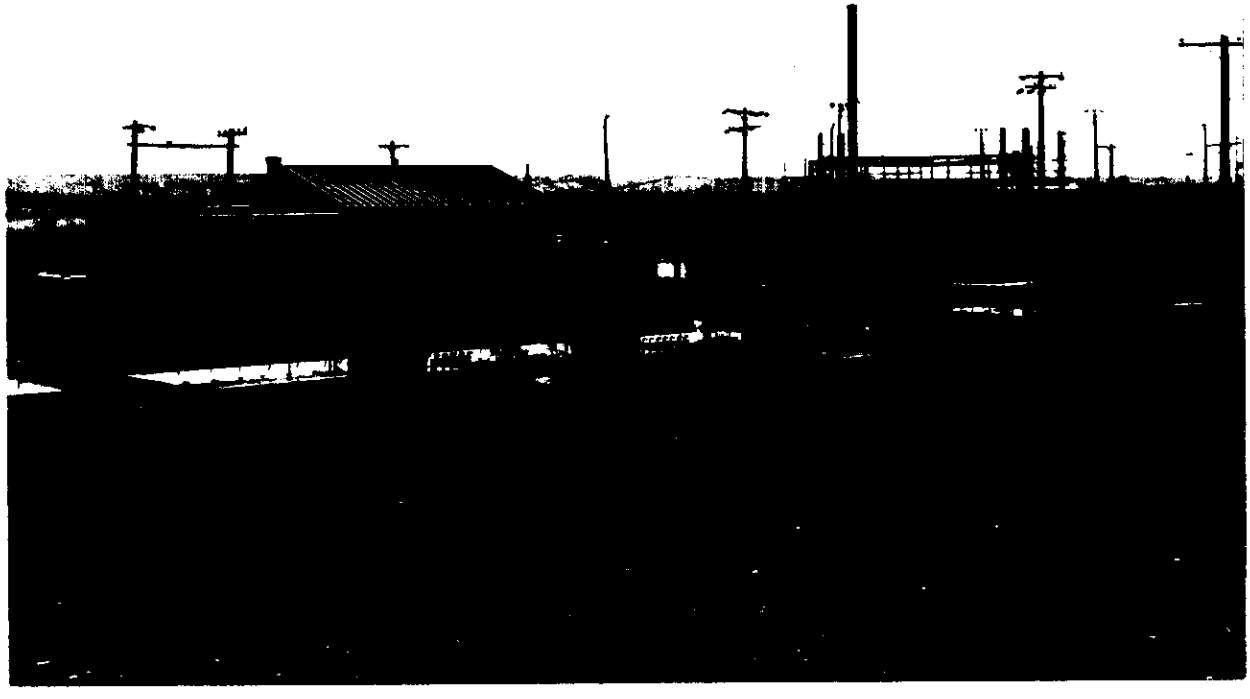
8704135-16CN
(PHOTO TAKEN 1987)

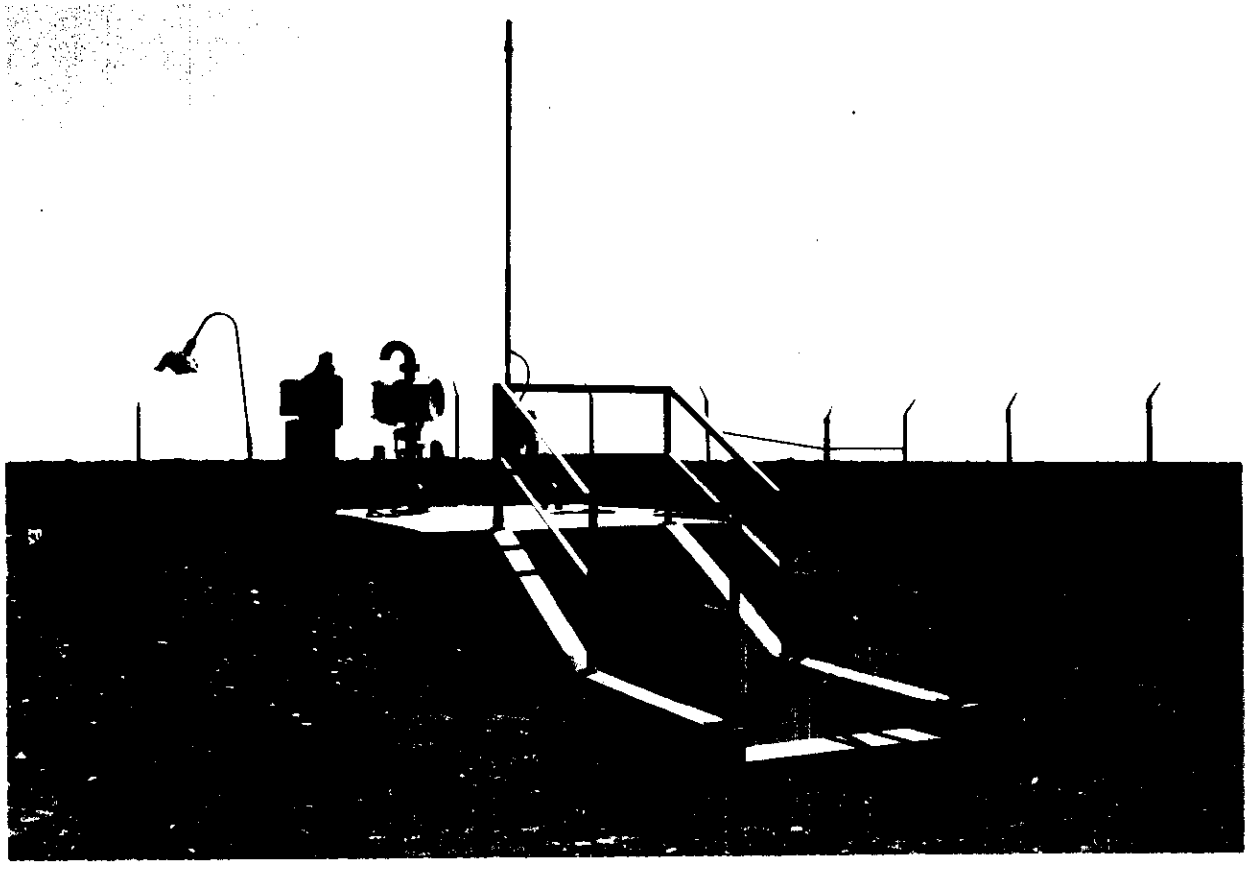
244-CR VAULTS



46°33'26"
119°31'47"

8704135-14CN
(PHOTO TAKEN 1987)

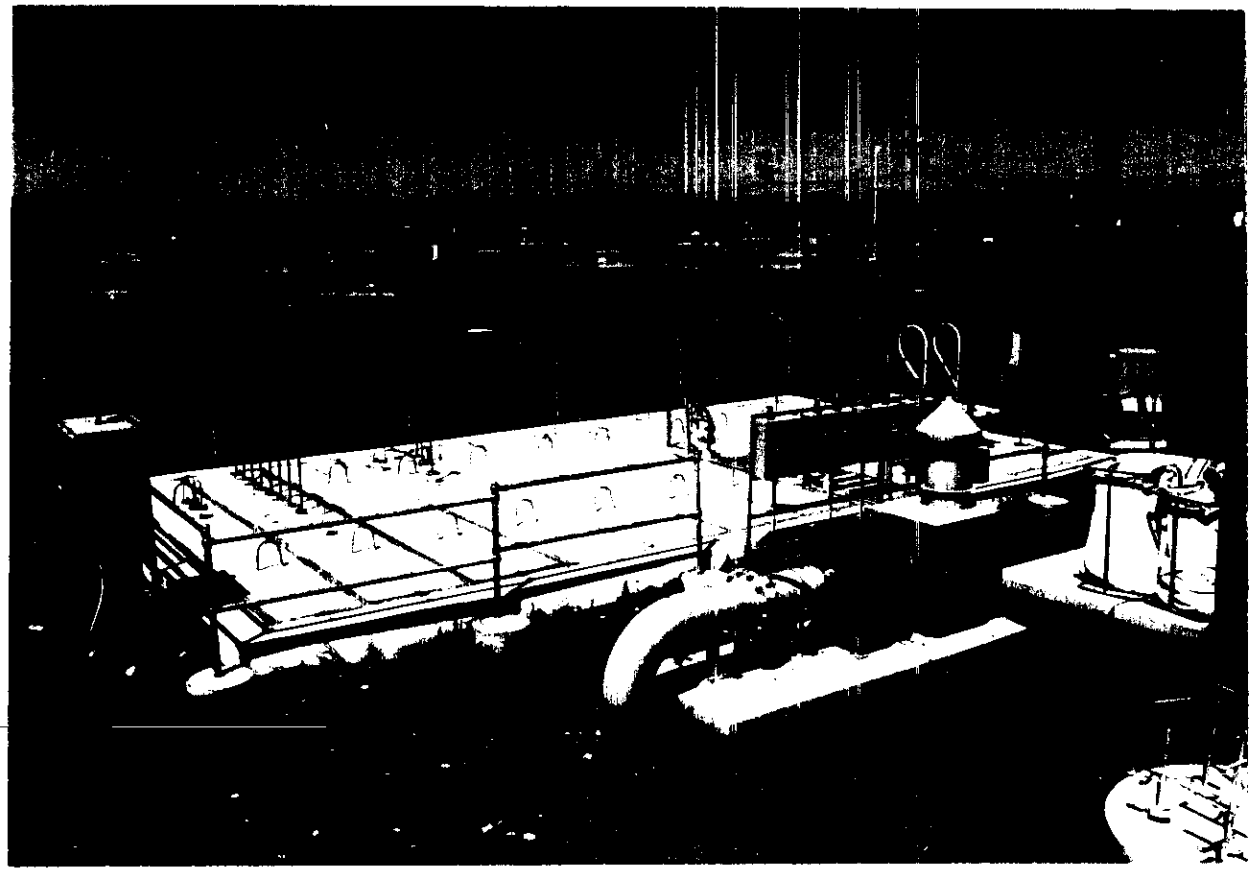
241-EW-151 TANK



46°32'46"
119°34'52"

8704433-17CN
(PHOTO TAKEN 1987)

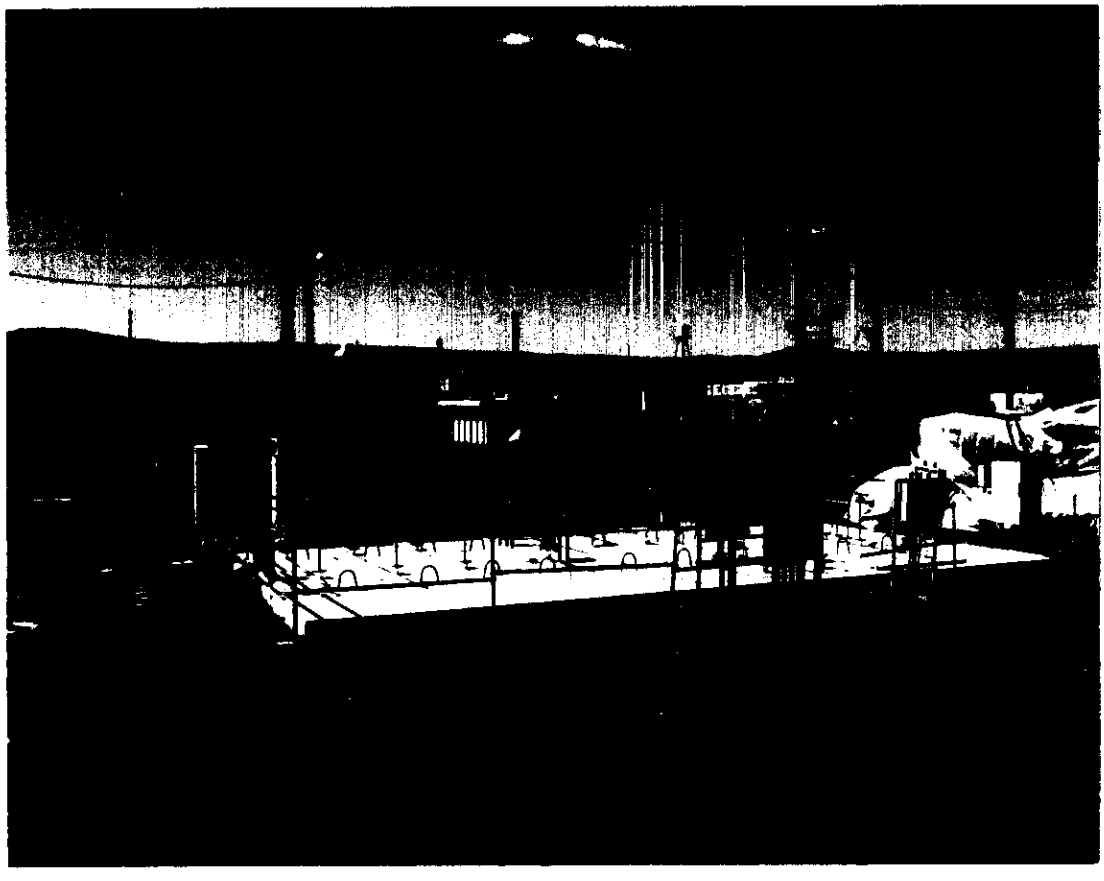
244-BX DOUBLE-CONTAINED RECEIVER TANK



46°33'58"
119°32'40"

8704135-18CN
(PHOTO TAKEN 1987)

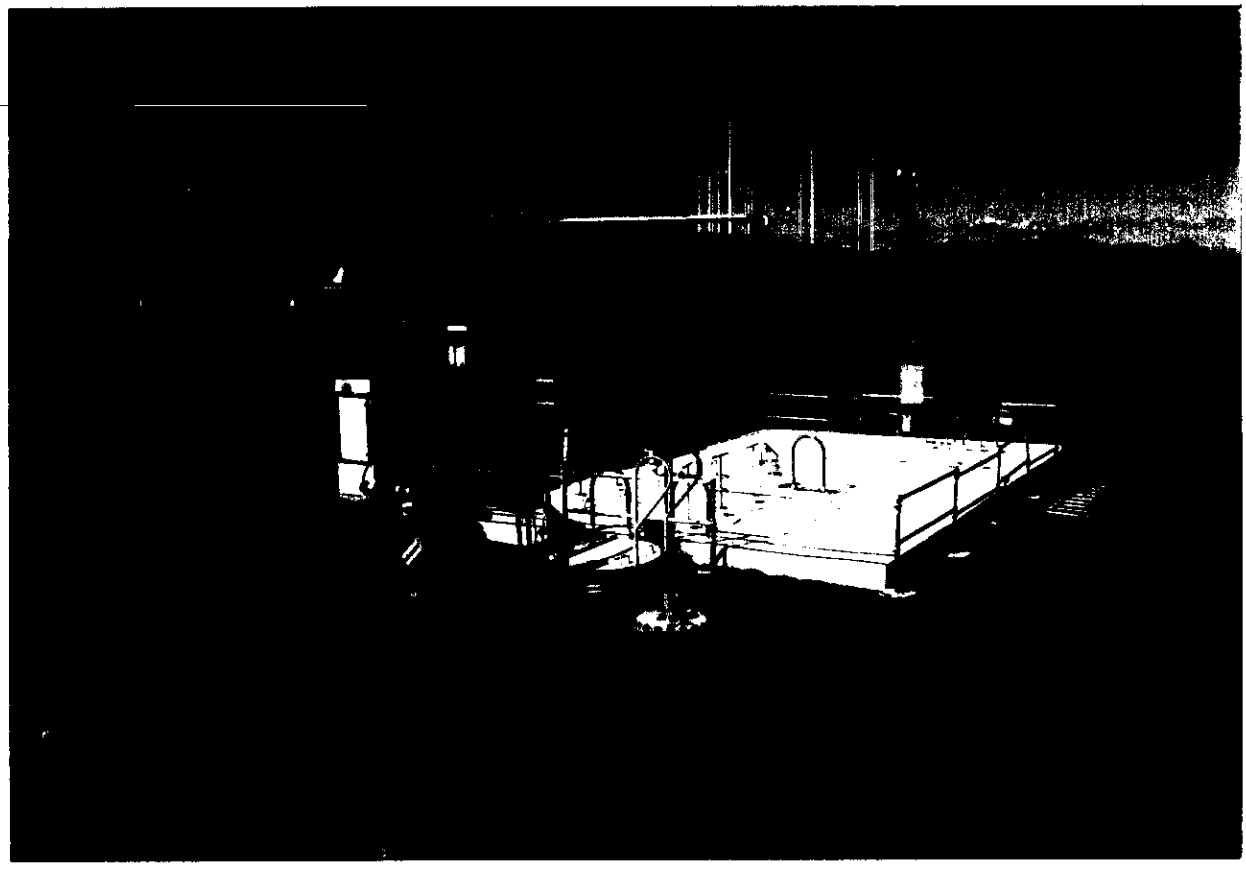
244-TX DOUBLE-CONTAINED RECEIVER TANK



46°33'20"
119°37'22"

8704135-7CN
(PHOTO TAKEN 1987)

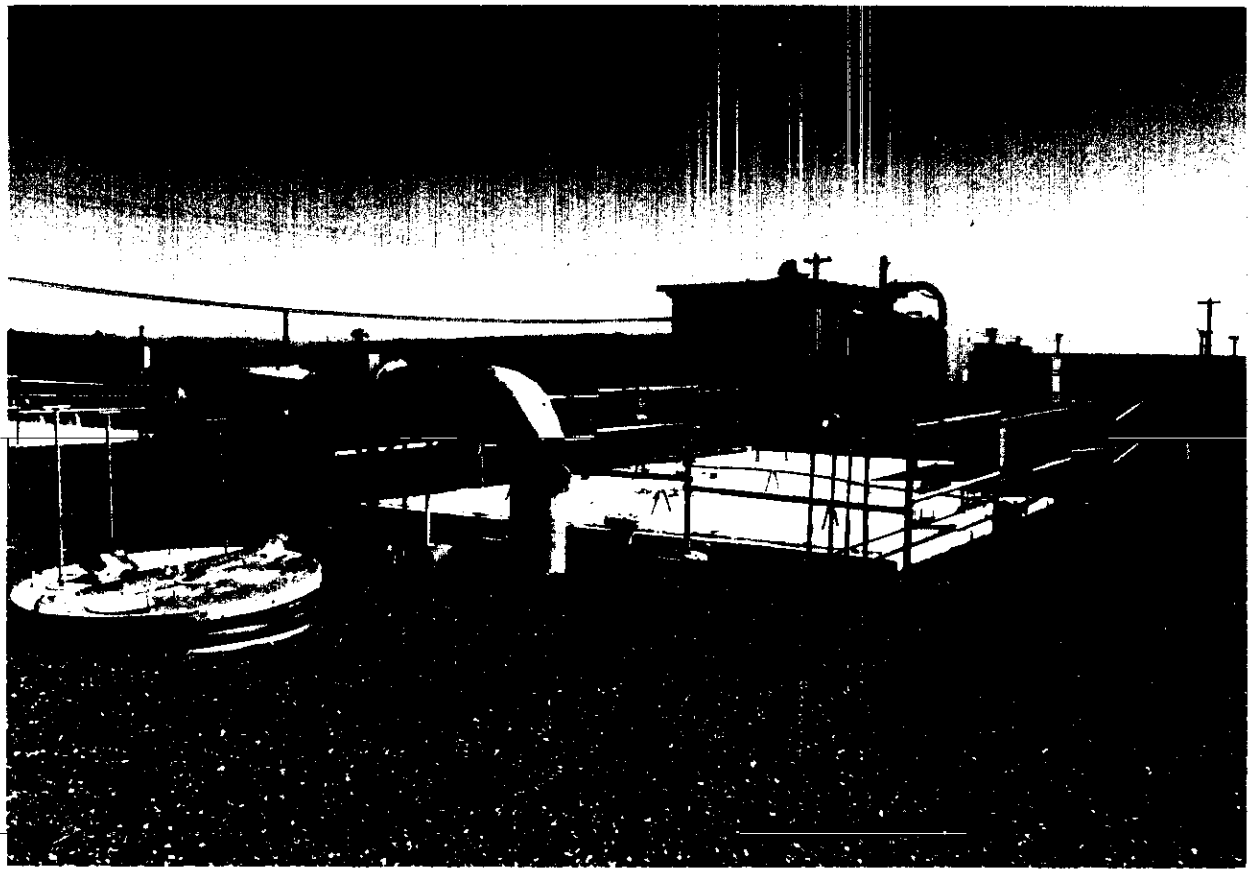
244-U DOUBLE-CONTAINED RECEIVER TANK



46°32'45"
119°37'22"

8704135-4CN
(PHOTO TAKEN 1987)

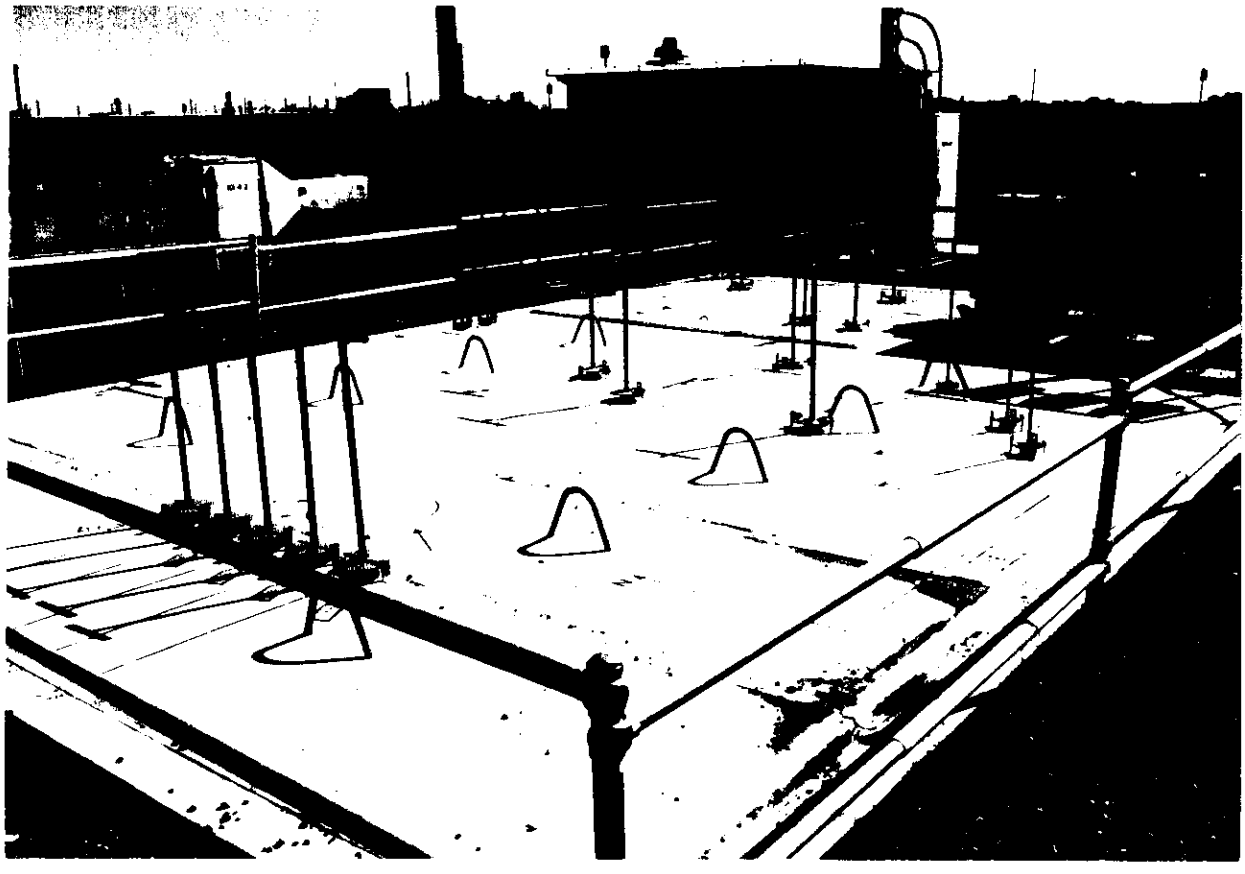
244-A DOUBLE-CONTAINED RECEIVER TANK



46°33'20"
119°31'49"

8704433-15CN
(PHOTO TAKEN 1987)

244-S DOUBLE-CONTAINED RECEIVER TANK



46°32'26"
119°37'20"

8704433-2CN
(PHOTO TAKEN 1987)

Please print or type in the unshaded areas only
(fill-in areas are spaced for elite type, i.e., 12 character/inch).

FORM **3**

DANGEROUS WASTE PERMIT APPLICATION

1. EPA/STATE I.D. NUMBER: W A 7 8 9 0 0 0 8 9 8 7

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED *(mo., day, & yr.)*	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA/STATE I.D. Number, or if this is a revised application, enter your facility's EPA/STATE I.D. Number in Section I above.

A. FIRST APPLICATION *(place an "X" below and provide the appropriate date)*

☐ 1. EXISTING FACILITY *(See instructions for definition of "existing" facility. Complete item below.)*

MO. 0 2 | DAY 0 2 | YR. 8 2

FOR EXISTING FACILITIES, PROVIDE THE DATE *(mo., day, & yr.)* OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED *(use the boxes to the left)*

☐ 2. NEW FACILITY *(Complete item below)*

MO. | DAY | YR.

FOR NEW FACILITIES, PROVIDE THE DATE *(mo., day, & yr)* OPERATION BEGAN OR IS EXPECTED TO BEGIN

B. REVISED APPLICATION *(place an "X" below and complete Section I above)*

☒ 1. FACILITY HAS AN INTERIM STATUS PERMIT

☐ 2. FACILITY HAS A FINAL PERMIT

III. PROCESSES - CODES AND CAPACITIES

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process *(including its design capacity)* in the space provided on the *(Section III-C)*.

B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.

1. AMOUNT - Enter the amount.

2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER (barrel, drum, etc)	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D80	GALLONS OR LITERS
LANDFILL	D81	ACRE-FEET *(the volume that would cover one acre to a depth of one foot)* OR HECTARE-METER
LAND APPLICATION	D82	*ACRES OR HECTARES*
OCEAN DISPOSAL	D83	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D84	GALLONS OR LITERS

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Section III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G
LITERS	L
CUBIC YARDS	Y
CUBIC METERS	C
GALLONS PER DAY	U
LITERS PER DAY	V
TONS PER HOUR	D
METRIC TONS PER HOUR	W
GALLONS PER HOUR	E
LITERS PER HOUR	H
ACRE-FEET	A
HECTARE-METER	F
ACRES	B
HECTARES	Q

EXAMPLE FOR COMPLETING SECTION III *(shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons.* The facility also has an incinerator that can burn up to 20 gallons per hour.

LINE NUMBER	A. PROCESS CODE *(from list above)*	B. PROCESS DESIGN CAPACITY 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE *(from list above)*	B. PROCESS DESIGN CAPACITY 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY
X-1	S 0 2	600	G		5				
X-2	T 0 3	20	E		6				
1	T 0 4	50,000	U		7				
2					8				
3					9				
4					10				

CONTINUE ON REVERSE

Continued from the front.

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

T04

The 204-AR Waste Unloading Station receives liquid mixed waste transported in 20,000-gallon (76,000-liter) capacity railroad tank cars or in 5,000 gallon (18,900 liter) tank trucks. Mixed waste is generated from decontamination and regeneration operations in the 100 and 200 Areas; from recovery and laboratory operations in the 200 and 300 Areas; and from decontamination operations in the 400 Area. The liquid mixed waste is transferred to the Double-Shell Tank (DST) System. The waste is chemically adjusted in-line during pumpout to meet DST System corrosion specifications. The in-line treatment design capacity (under item III.B.1.) of 50,000 gallons (189,000 liters) per day includes two railroad tank cars at 20,000 gallons (76,000 liters) each and an additional 10,000 gallons (38,000 liters) of liquid waste generated as a result of flushing the system.

IV. DESCRIPTION OF DANGEROUS WASTES

A. DANGEROUS WASTE NUMBER - Enter the four digit number from Chapter 173-303 WAC for each listed dangerous waste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic contaminants of those dangerous wastes.

B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed dangerous waste: For each listed dangerous waste entered in column A select the code(s) from the list of process codes contained in Section III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

1. Select one of the Dangerous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other Dangerous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other Dangerous Waste Number that can be used to describe the dangerous waste.

EXAMPLE FOR COMPLETING SECTION IV *(shown in line numbers X-1, X-2, X-3, and X-4 below)* - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2			T 0 3 D 8 0	included with above

CONTINUE ON PAGE 3

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	D001	15,600,000	P	T04	Treatment-Other-Chemical Treatment
2	D002				
3	D003				
4	D004				
5	D005				
6	D006				
7	D007				
8	D008				
9	D009				
10	D010				
11	D011				
12	D018				
13	D019				
14	D022				
15	D028				
16	D029				
17	D030				
18	D033				
19	D034				
20	D035				
21	D036				
22	D038				
23	D039				
24	D040				
25	D041				
26	D043				

CONTINUE ON REVERSE

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	WT01		P	T04	Treatment-Other-Chemical Treatment
2	WT02				
3	WC02				
4	WP01				
5	WP02				
6	F001				
7	F002				
8	F003				
9	F004				
10	F005				
11	F039				Included With Above
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

Continued from the front.

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM SECTION D(1) ON PAGE 3.

The 204-AR Waste Unloading Station is used for the treatment of liquid mixed waste that might exhibit the characteristic of corrosivity (D002, pH greater than or equal to 12.5) following the addition of caustic chemicals (sodium hydroxide and sodium nitrite). The waste is treated in-line at the 204-AR Waste Unloading Station to make the waste amenable for storage in the DST System.

The waste identified in Section IV.A has the potential for being transported to the 204-AR Waste Unloading Station, treated, and transferred to the DST System. The mixed waste consists of listed waste, characteristic waste (D001, D002, and D003), toxic constituents (D004 through D011, D018, D019, D022, D028 through D030, D033 through D036, D038 through D041, and D043), nonspecific source waste (F001 through F005, and F039 as defined below), and state-only waste (WT01, WT02, WC02, WP01, and WP02). Multi-source leachate (F039) is included as a waste derived from nonspecific source wastes F001 through F005.

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility *(see instructions for more detail)*.

VI. PHOTOGRAPHS

All existing facilities must include photographs *(aerial or ground-level)* that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas *(see instructions for more detail)*.

VII. FACILITY GEOGRAPHIC LOCATION This information is provided on the attached drawings and photos.

LATITUDE *(degrees, minutes, & seconds)*	LONGITUDE *(degrees, minutes, & seconds)*

VIII. FACILITY OWNER

[x] A. If the facility owner is also the facility operator as listed in Section VII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER			2. PHONE NO. *(area code & no.)*
3. STREET OR P.O. BOX	4. CITY OR TOWN	5. ST.	6. ZIP CODE

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME *(print or type)*	SIGNATURE	DATE SIGNED
John D. Wagoner, Manager U.S. Department of Energy Richland Operations Office	John D. Wagoner	11/4/94

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME *(print or type)*	SIGNATURE	DATE SIGNED
SEE ATTACHMENT		

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

John D. Wagoner

Owner/Operator
John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office

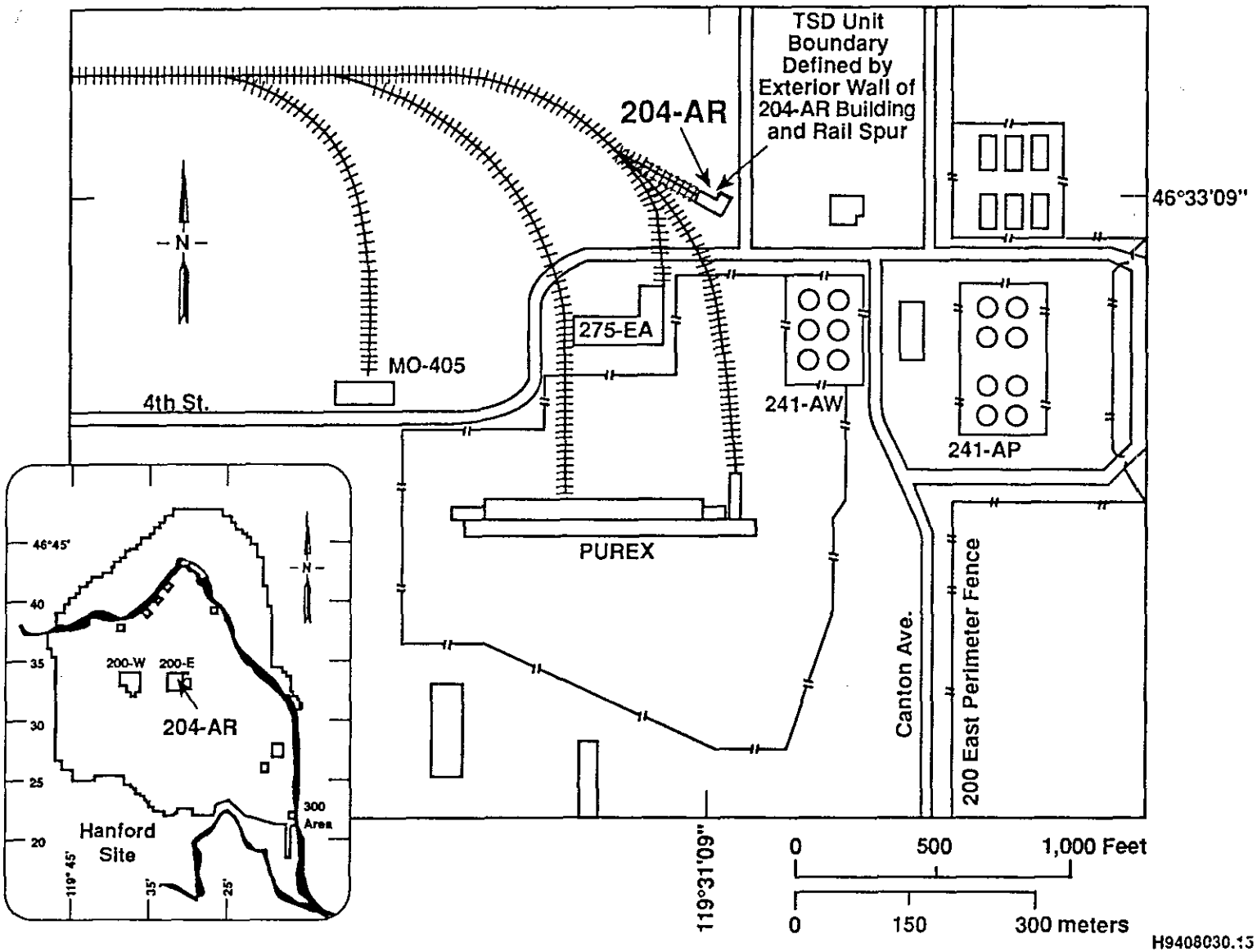
11/4/94
Date

A. LaMar Trego

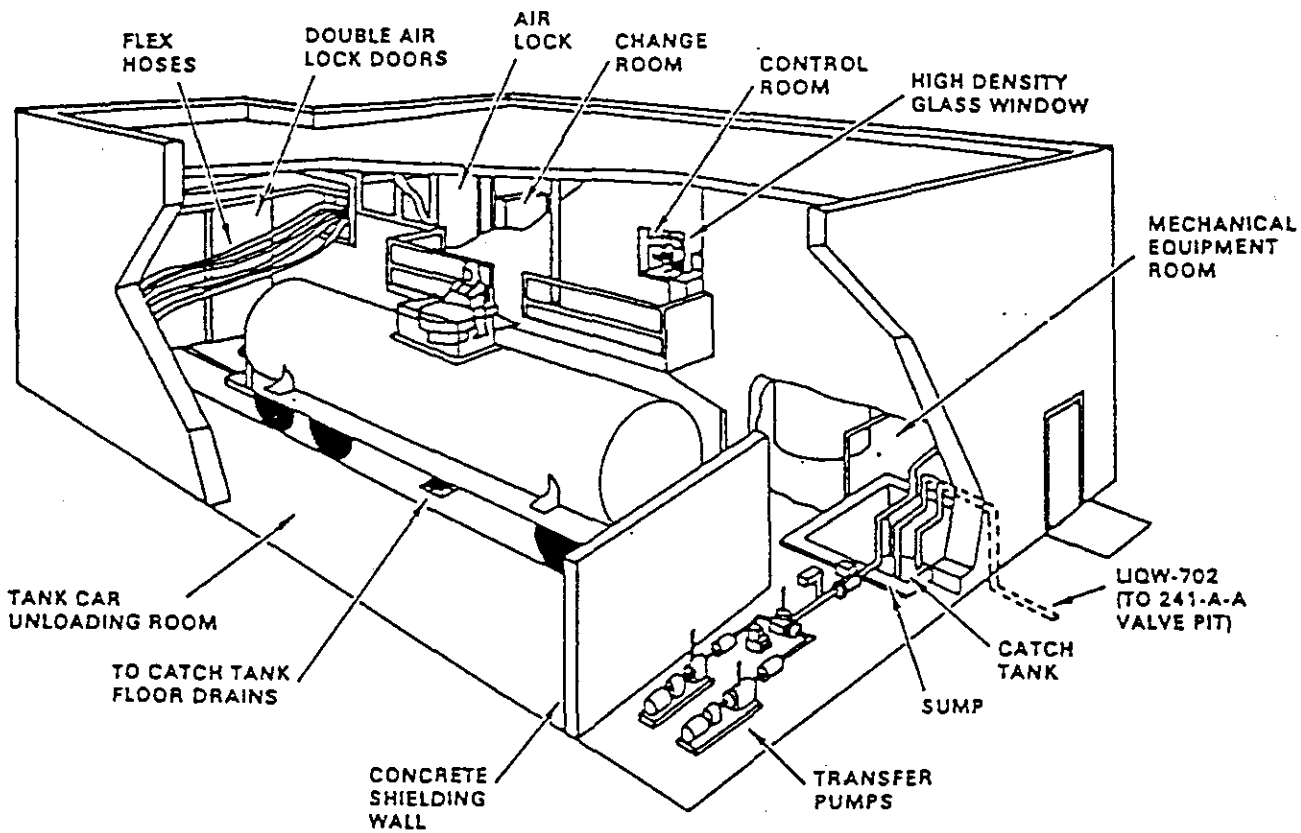
Co-operator
A. LaMar Trego, President
Westinghouse Hanford Company

9/20/94
Date

204-AR Building Waste Unloading Station
Site Plan



204-AR WASTE UNLOADING STATION
CUTAWAY VIEW



204-AR WASTE UNLOADING STATION

46°33'09"
119°31'09"

8706421-18CN
(PHOTO TAKEN 1987)

204-AR WASTE UNLOADING STATION - INTERNAL VIEW

TYPICAL RAILROAD TANK CAR UNLOADING

46°33'09"
119°31'09"

8706421-16CN
(PHOTO TAKEN 1987)

Please print or type in the unshaded areas only
(fill-in areas are spaced for elite type, i.e., 12 character/inch).

FORM **3**

DANGEROUS WASTE PERMIT APPLICATION

1. EPA/STATE I.D. NUMBER: W A 7 8 9 0 0 0 8 9 6 7

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED *(mo., day, & yr.)*	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA/STATE I.D. Number, or if this is a revised application, enter your facility's EPA/STATE I.D. Number in Section I above.

A. FIRST APPLICATION *(place an "X" below and provide the appropriate date)*

☐ 1. EXISTING FACILITY *(See instructions for definition of "existing" facility. Complete item below.)*

MO. 0 1 | DAY | YR. 6 0 — FOR EXISTING FACILITIES, PROVIDE THE DATE *(mo., day, & yr.)* OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED *(use the boxes to the left)*

☐ 2. NEW FACILITY *(Complete item below)*

MO. | DAY | YR. — FOR NEW FACILITIES, PROVIDE THE DATE *(mo., day, & yr)* OPERATION BEGAN OR IS EXPECTED TO BEGIN

B. REVISED APPLICATION *(place an "X" below and complete Section I above)*

☒ 1. FACILITY HAS AN INTERIM STATUS PERMIT

☐ 2. FACILITY HAS A FINAL PERMIT

III. PROCESSES - CODES AND CAPACITIES

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process *(including its design capacity)* in the space provided on the *(Section III-C)*.

B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.

1. AMOUNT - Enter the amount.

2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER (barrel, drum, etc)	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D80	GALLONS OR LITERS
LANDFILL	D81	ACRE-FEET *(the volume that would cover one acre to a depth of one foot)* OR HECTARE-METER
LAND APPLICATION	D82	*ACRES OR HECTARES*
OCEAN DISPOSAL	D83	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D84	GALLONS OR LITERS
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Section III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G
LITERS	L
CUBIC YARDS	Y
CUBIC METERS	C
GALLONS PER DAY	U
LITERS PER DAY	V
TONS PER HOUR	D
METRIC TONS PER HOUR	W
GALLONS PER HOUR	E
LITERS PER HOUR	H
ACRE-FEET	A
HECTARE-METER	F
ACRES	B
HECTARES	Q

EXAMPLE FOR COMPLETING SECTION III *(shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons.* The facility also has an incinerator that can burn up to 20 gallons per hour.

LINE NUMBER	A. PROCESS CODE *(from list above)*	B. PROCESS DESIGN CAPACITY 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE *(from list above)*	B. PROCESS DESIGN CAPACITY 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY
X-1	S 0 2	600	G		5				
X-2	T 0 3	20	E		6				
1	D 8 1	950	A		7				
2					8				
3					9				
4					10				

CONTINUE ON REVERSE

Continued from the front.

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

D81

The Low-level Retrievable Storage Units (D81) were storage facilities that were used to store 55 gallon (208 liter) drums or boxes containing mixed wastes. Waste containers were stored on underground asphalt pads and plywood-lined underground trenches. An earthen cover over the trenches provided radiological protection.

The Low-Level Burial Grounds consists of two types of trenches; RCRA compliant trenches, and past practice trenches. The RCRA compliant trenches have either liners and leachate collection systems, or use alternative technologies such as high integrity packaging. The past practice trenches were used for mixed waste disposal prior to regulation, and continue to be used on a case-by-case basis for the disposal of remote-handled mixed waste packages. Disposal of remote-handled mixed waste packages in past practice trenches require notification to the Washington State Department of Ecology.

The waste handled at the above-mentioned facilities are generated by many different operations, both on and off the Hanford Facility.

The process design capacity for mixed waste in the LLBG is 950 acre-feet (1,171,825 cubic meters) of which 750 acre-feet (925,125 cubic meters) is dedicated solely for the disposal of submarine reactor compartments.

IV. DESCRIPTION OF DANGEROUS WASTES

A. DANGEROUS WASTE NUMBER - Enter the four digit number from Chapter 173-303 WAC for each listed dangerous waste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic contaminants of those dangerous wastes.

B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed dangerous waste: For each listed dangerous waste entered in column A select the code(s) from the list of process codes contained in Section III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

1. Select one of the Dangerous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other Dangerous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other Dangerous Waste Number that can be used to describe the dangerous waste.

EXAMPLE FOR COMPLETING SECTION IV *(shown in line numbers X-1, X-2, X-3, and X-4 below)* - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2			T 0 3 D 8 0	*Included with above*

CONTINUE ON PAGE 3

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	D001	10,000	P	D81	Disposal/Storage**
2	D002	500			
3	D003	500			
4	D004	500			
5	D005	500			
6	D006	500			
7	D007	500			
8	D008	18,000,000*			
9	D009	500			
10	D010	500			
11	D011	500			
12	WT01	18,800,000*			
13	WT02	80,000			
14	WP01	8,000			
15	WP02	↓			
16	WP03	↓			↓
17	WC02	16,000			Included With Above
18	F001	8,000			Retrievable Storage**
19	F002	↓			↓
20	F003	↓			↓
21	F004	↓			↓
22	F005	↓			↓
23	F028	↓			↓
24	F039	↓			Included With Above
25	U001	500			Disposal/Storage**
26	U002	↓	↓	↓	Retrievable Storage**

* D008 total is included in WT01.

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U003	500	P	D81	Disposal/Storage**
2	U004				
3	U005				
4	U006				
5	U007				
6	U008				
7	U009				
8	U010				
9	U011				
10	U012				
11	U014				
12	U015				
13	U016				
14	U017				
15	U018				
16	U019				
17	U020				
18	U021				
19	U022				
20	U023				
21	U024				
22	U025				
23	U026				
24	U027				
25	U028				
26	U029				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(If a code is not entered in D(1))*
1	U030	500	P	D81	Disposal/Storage**
2	U031				Retrievable Storage**
3	U032				Disposal/Storage**
4	U033				
5	U034				
6	U035				
7	U036				Included With Above
8	U037				Retrievable Storage**
9	U038				Disposal/Storage**
10	U039				
11	U041				
12	U042				
13	U043				
14	U044				
15	U045				
16	U046				
17	U047				
18	U048				
19	U049				
20	U050				
21	U051				Included With Above
22	U052				Retrievable Storage**
23	U053				Disposal/Storage**
24	U055				
25	U056				Included With Above
26	U057				Retrievable Storage**

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U058	500	P	D81	Disposal/Storage**
2	U059				
3	U060				
4	U061				
5	U062				
6	U063				
7	U064				
8	U066				
9	U067				
10	U068				
11	U069				Included With Above
12	U070				Retrievable Storage**
13	U071				
14	U072				Included With Above
15	U073				Disposal/Storage**
16	U074				
17	U075				
18	U076				
19	U077				
20	U078				
21	U079				Included With Above
22	U080				Retrievable Storage**
23	U081				Disposal/Storage**
24	U082				
25	U083				
26	U084				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U085	500	P	D81	Disposal/ Storage**
2	U086				
3	U087				
4	U088				
5	U089				
6	U090				
7	U091				
8	U092				
9	U093				
10	U094				
11	U095				
12	U096				
13	U097				
14	U098				
15	U101				
16	U102				
17	U107				
18	U108				Included With Above
19	U112				Retrievable Storage**
20	U113				Disposal/Storage**
21	U116				Included With Above
22	U117				Retrievable Storage**
23	U118				Disposal/Storage**
24	U119				
25	U120				
26	U123				

CONTINUE ON REVERSE

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U124	500	P	D81	Disposal/Storage**
2	U134				
3	U136				
4	U137				
5	U139				Included With Above
6	U140				Retrievable Storage**
7	U141				Disposal/Storage**
8	U145				
9	U146				
10	U148				
11	U149				
12	U151				
13	U152				
14	U153				Included With Above
15	U154				Retrievable Storage**
16	U155				Disposal/Storage**
17	U156				
18	U157				
19	U158				Included With Above
20	U159				Retrievable Storage**
21	U160				Disposal/Storage**
22	U161				Retrievable Storage**
23	U162				Disposal/Storage**
24	U163				
25	U164				
26	U165				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U166	500	P	D81	Disposal/Storage**
2	U167				↓
3	U168				Included With Above
4	U169				Retrievable Storage**
5	U170				Disposal/Storage**
6	U171				↓
7	U172				
8	U173				↓
9	U174				Included With Above
10	U175				Retrievable Storage**
11	U176				Disposal/Storage**
12	U177				↓
13	U178				
14	U179				
15	U180				
16	U181				
17	U182				
18	U183				
19	U184				
20	U185				
21	U186				
22	U187				
23	U188				
24	U189				
25	U190				
26	U191	↓	↓	↓	↓

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U192	500	P	D81	Disposal/Storage**
2	U193				↓
3	U194				Included With Above
4	U196				Retrievable Storage**
5	U197				Disposal/Storage**
6	U200				↓
7	U201				
8	U202				
9	U203				
10	U204				
11	U205				
12	U206				
13	U207				
14	U208				↓
15	U209				Included With Above
16	U210				Retrievable Storage**
17	U211				Included With Above
18	U212				Disposal/Storage**
19	U213				↓
20	U214				
21	U215				
22	U216				
23	U217				
24	U218				↓
25	U219				Included With Above
26	U220	↓	↓	↓	Retrievable Storage**

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U221	500	P	D81	Disposal/Storage**
2	U222				
3	U223				
4	U225				Included With Above
5	U226				Retrievable Storage**
6	U227				Disposal/Storage**
7	U228				Retrievable Storage**
8	U232				Disposal/Storage**
9	U233				
10	U234				
11	U235				
12	U236				
13	U237				
14	U238				Included With Above
15	U239				Retreivable Storage**
16	U240				Disposal Storage**
17	U243				
18	U244				
19	U245				
20	U246				
21	U247				
22	U248				
23	U249				
24	U328				
25	U353				
26	U359				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	P001	500	P	D81	Disposal/Storage**
2	P002				
3	P003				
4	P004				
5	P005				Included With Above
6	P006				Retrievable Storage**
7	P007				Disposal/Storage**
8	P008				
9	P009				
10	P010				
11	P011				
12	P012				
13	P013				
14	P014				
15	P015				
16	P016				
17	P017				
18	P018				
19	P020				
20	P021				Included With Above
21	P022				Retrievable Storage**
22	P023				Disposal/Storage**
23	P024				
24	P025				
25	P026				
26	P027				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	P028	500	P	D81	Disposal/Storage**
2	P029				
3	P030				
4	P031				
5	P033				
6	P034				
7	P036				
8	P037				
9	P038				
10	P039				
11	P040				
12	P041				
13	P042				
14	P043				
15	P044				
16	P045				
17	P046				
18	P047				
19	P048				
20	P049				
21	P050				
22	P051				
23	P054				
24	P056				
25	P057				
26	P058				

CONTINUE ON REVERSE

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (If a code is not entered in D(1))
1	P059	500	P	D81	Disposal/Storage**
2	P060				
3	P062				
4	P063				
5	P064				
6	P065				
7	P066				
8	P067				
9	P068				
10	P069				
11	P070				
12	P071				
13	P072				
14	P073				
15	P074				
16	P075				
17	P076				
18	P077				
19	P078				
20	P081				
21	P082				
22	P084				
23	P085				
24	P087				
25	P088				
26	P089				

CONTINUE ON REVERSE

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	P092	500	P	D81	Disposal/Storage**
2	P093				
3	P094				
4	P095				
5	P096				
6	P097				
7	P098				
8	P099				
9	P101				
10	P102				
11	P103				
12	P104				
13	P105				
14	P106				
15	P107				
16	P108				
17	P109				
18	P110				
19	P111				
20	P112				
21	P113				
22	P114				
23	P115				
24	P116				
25	P118				
26	P119				

CONTINUE ON REVERSE

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*

W	A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	P120	500	P	D81	Disposal/Storage**
2	P121	↓	↓	↓	↓
3	P122	↓	↓	↓	↓
4	P123	↓	↓	↓	Included With Above
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

** Storage reflects past practice operations before November 1987.

Continued from the front.

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM SECTION D(1) ON PAGE 3.

The mixed waste handled at the LLBG consists of listed wastes, characteristic wastes and state-only wastes [designation of Extremely Hazardous Waste due to toxicity (WT01) results from lead content in waste], and wastes from nonspecific sources (F001 through F005, F028, and F039). Multi-source leachate (F039) is included as a waste derived from nonspecific source wastes F001 through F005. The submarine reactor compartments in Trench 94 of the 218-E-12B burial ground contain shielding constructed of metallic lead (D008).

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility *(see instructions for more detail)*.

VI. PHOTOGRAPHS

All existing facilities must include photographs *(aerial or ground-level)* that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas *(see instructions for more detail)*.

VII. FACILITY GEOGRAPHIC LOCATION — This information is provided on the attached drawings and photos.

LATITUDE *(degrees, minutes, & seconds)*	LONGITUDE *(degrees, minutes, & seconds)*

VIII. FACILITY OWNER

[x] A. If the facility owner is also the facility operator as listed in Section VII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER	2. PHONE NO. *(area code & no.)*

3. STREET OR P.O. BOX	4. CITY OR TOWN	5. ST.	6. ZIP CODE

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME *(print or type)*	SIGNATURE	DATE SIGNED
John D. Wagoner, Manager U.S. Department of Energy Richland Operations Office	John D. Wagoner	11/4/94

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME *(print or type)*	SIGNATURE	DATE SIGNED
SEE ATTACHMENT		

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John D. Wagoner — 11/4/94

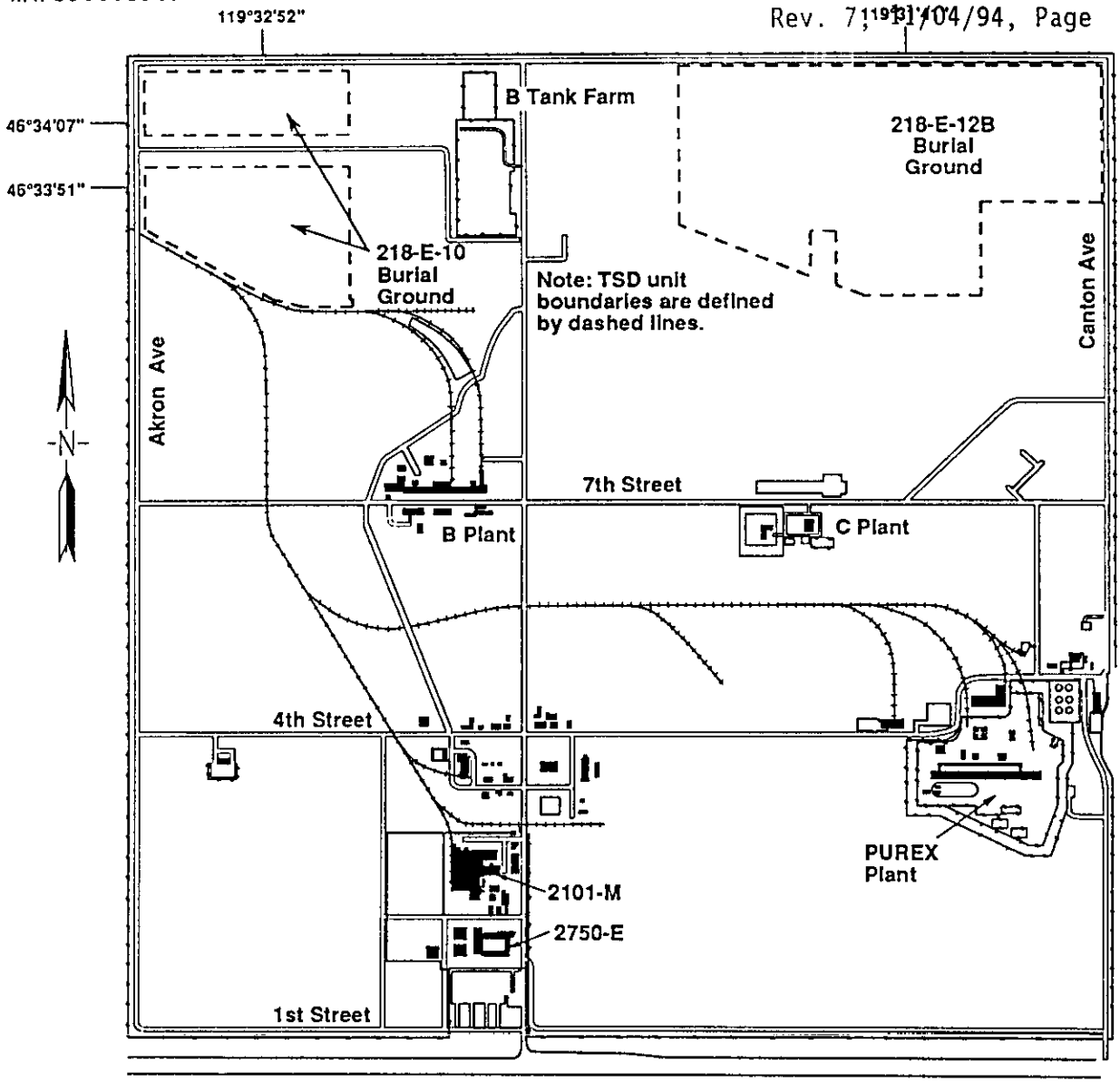
Owner/Operator
John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office

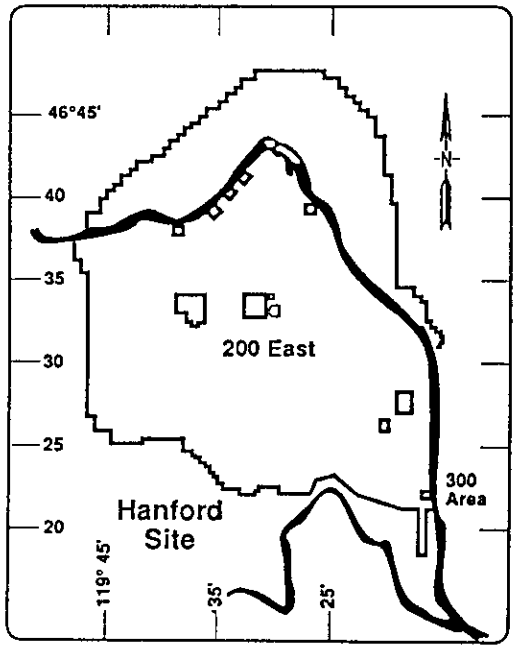
Date

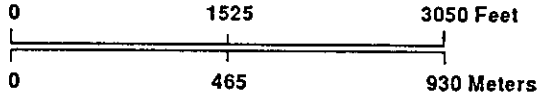
A. LaMar Trego — 9/20/94

Co-operator
A. LaMar Trego, President
Westinghouse Hanford Company

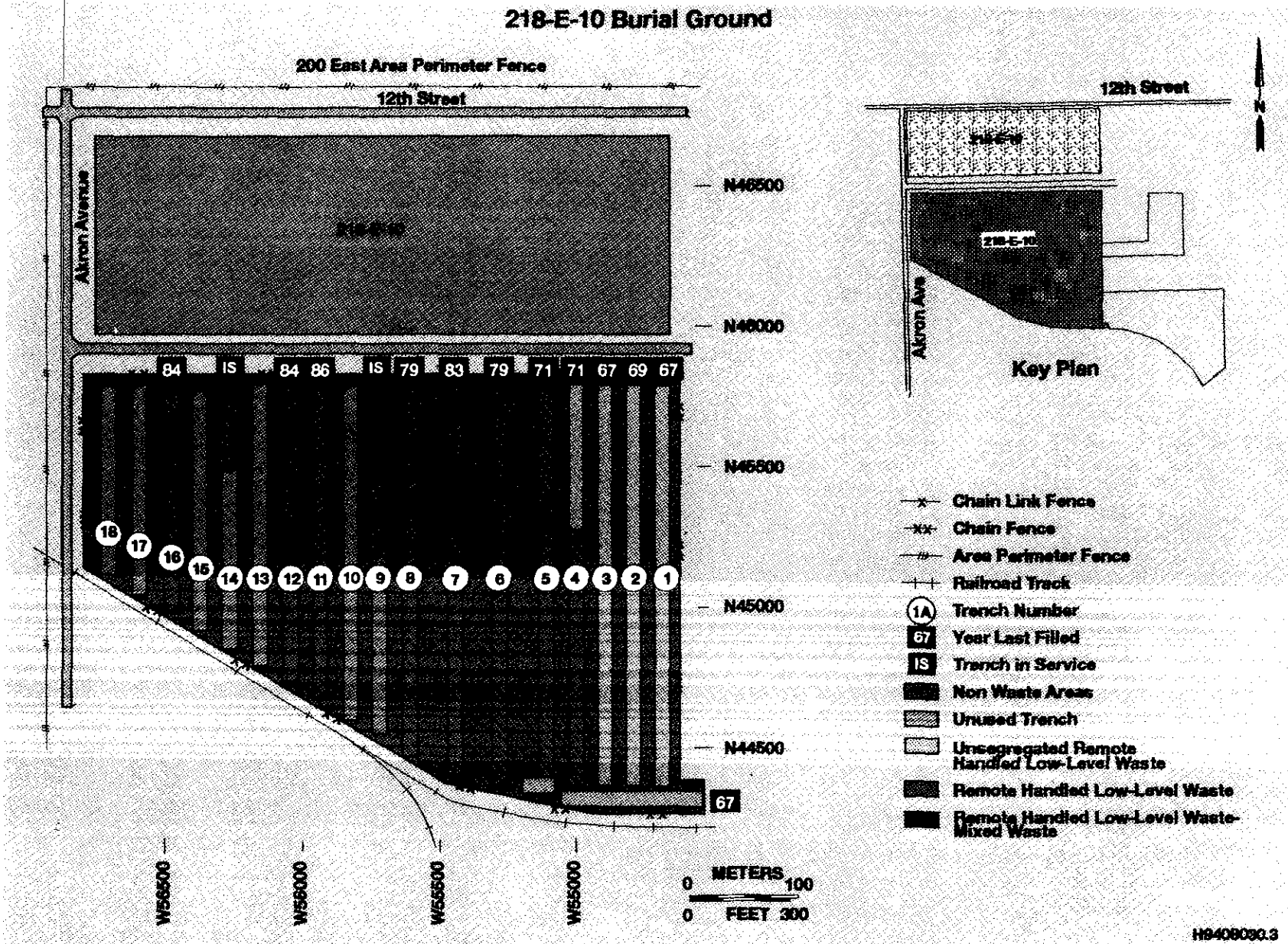
Date



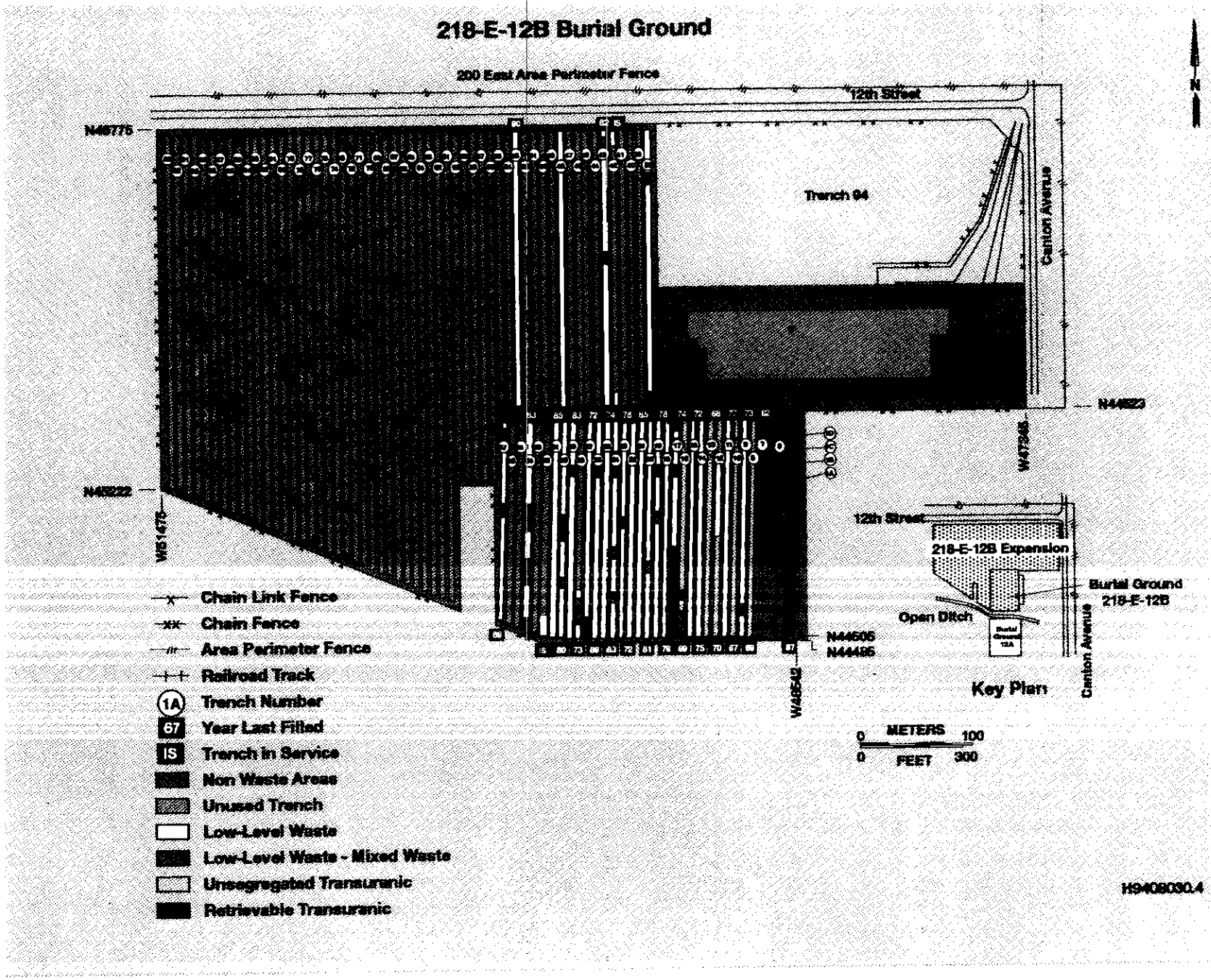




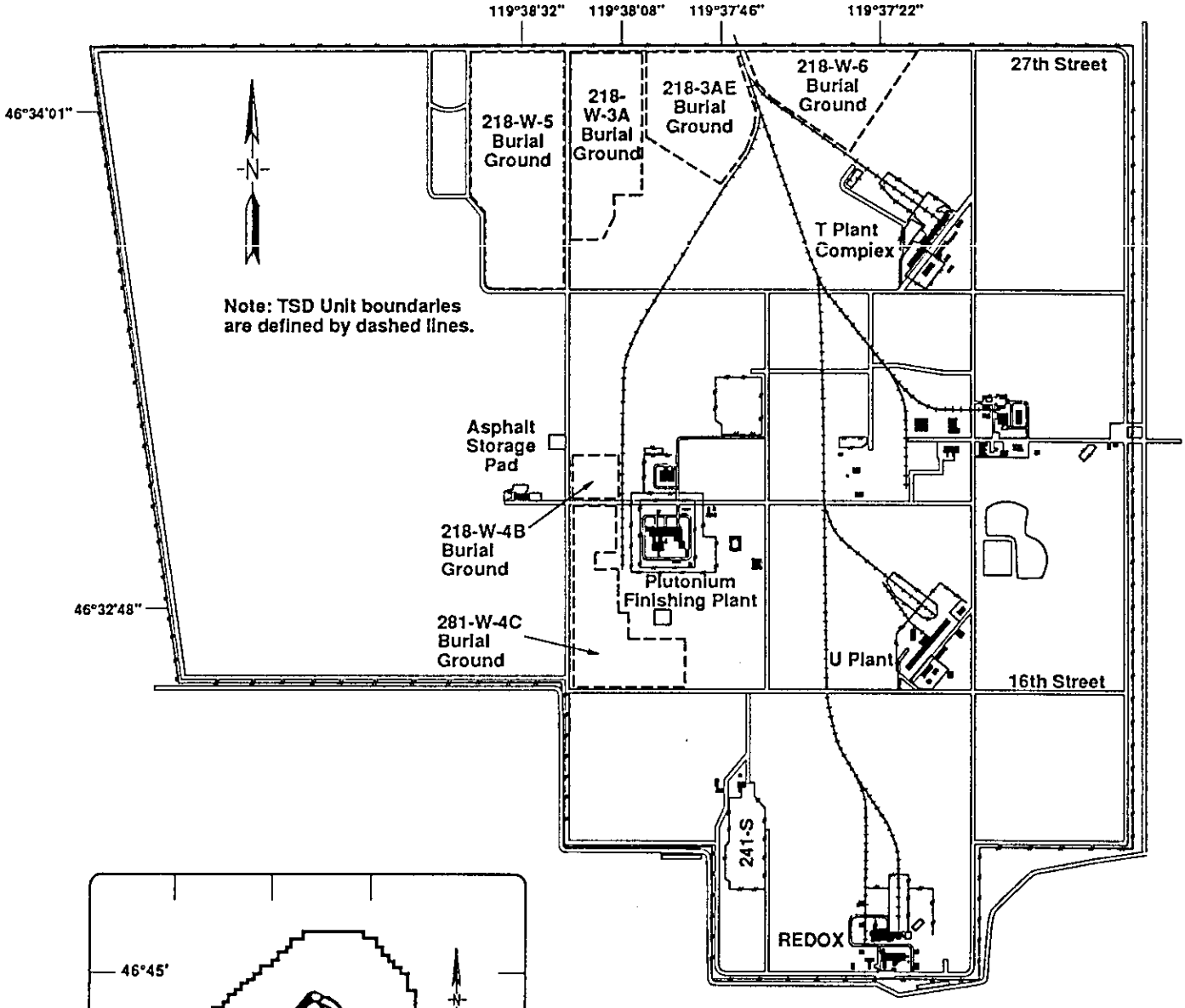
200 East Area Low Level Burial Grounds

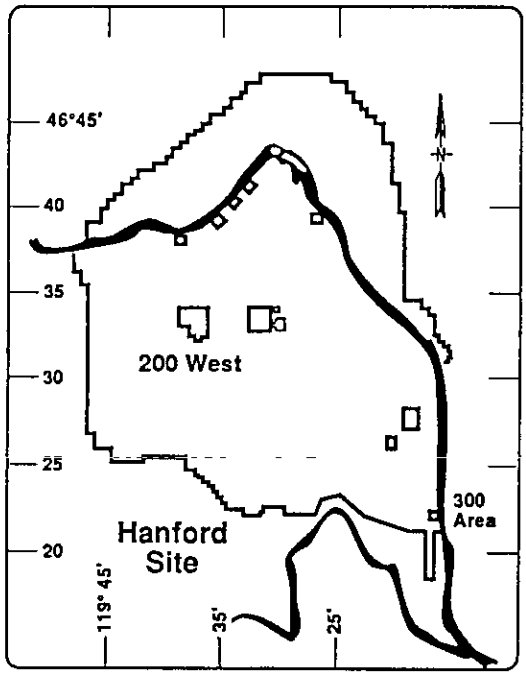


W and N numbers are Washington State Coordinate System points.

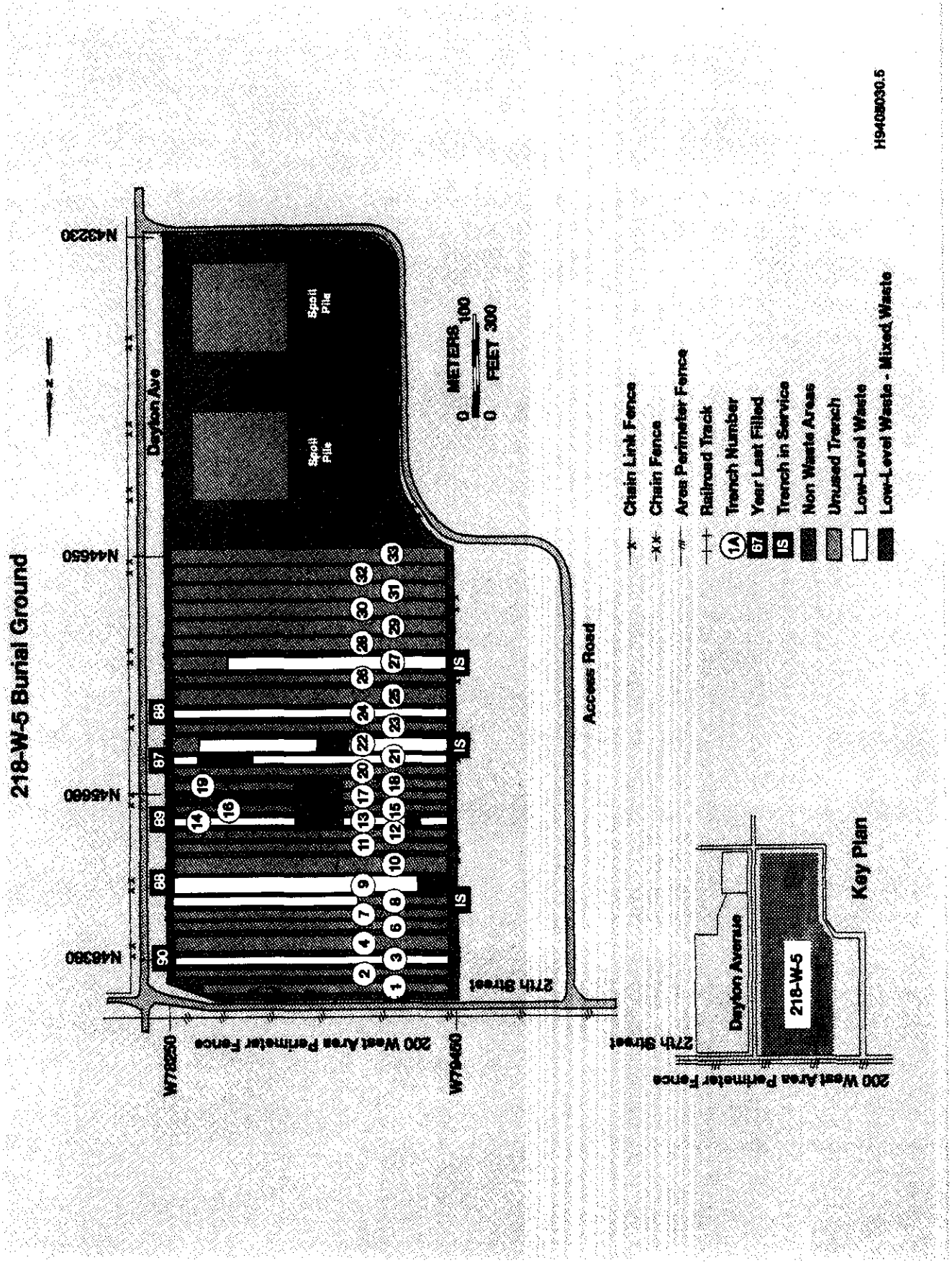


W and N numbers are Washington State Coordinate System points.

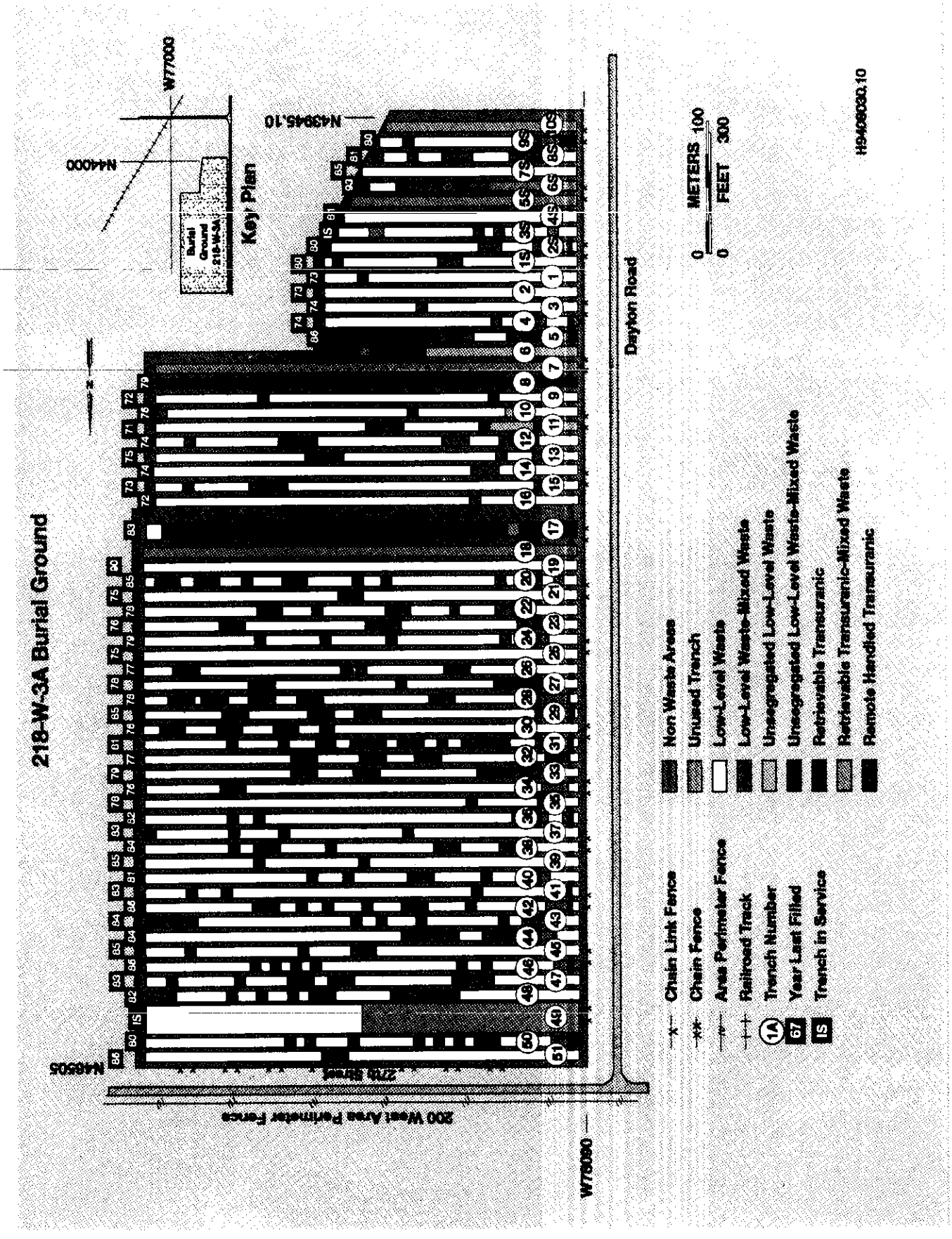




200 West Area Low Level Burial Grounds



W and N numbers are Washington State Coordinate System points.



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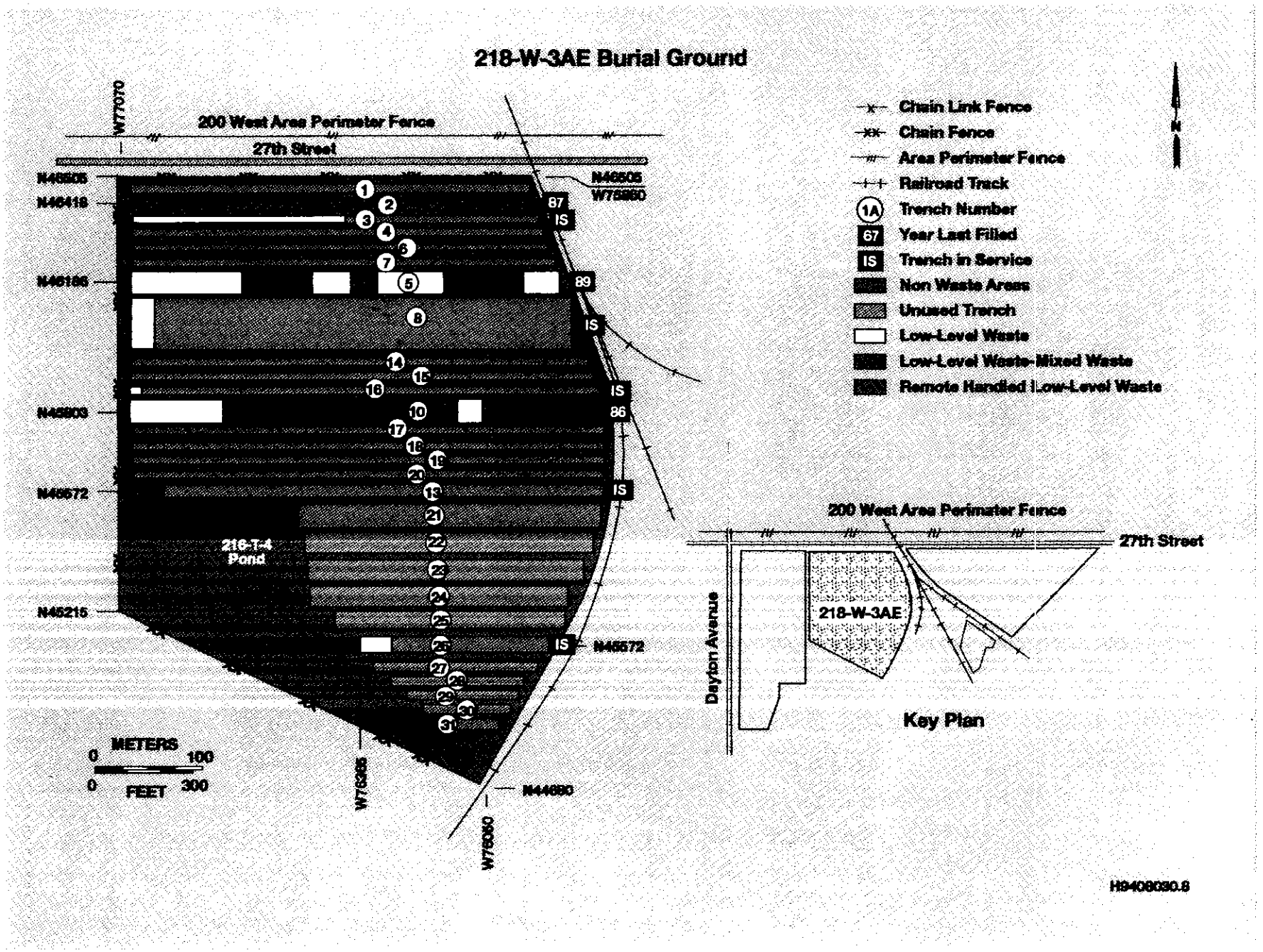
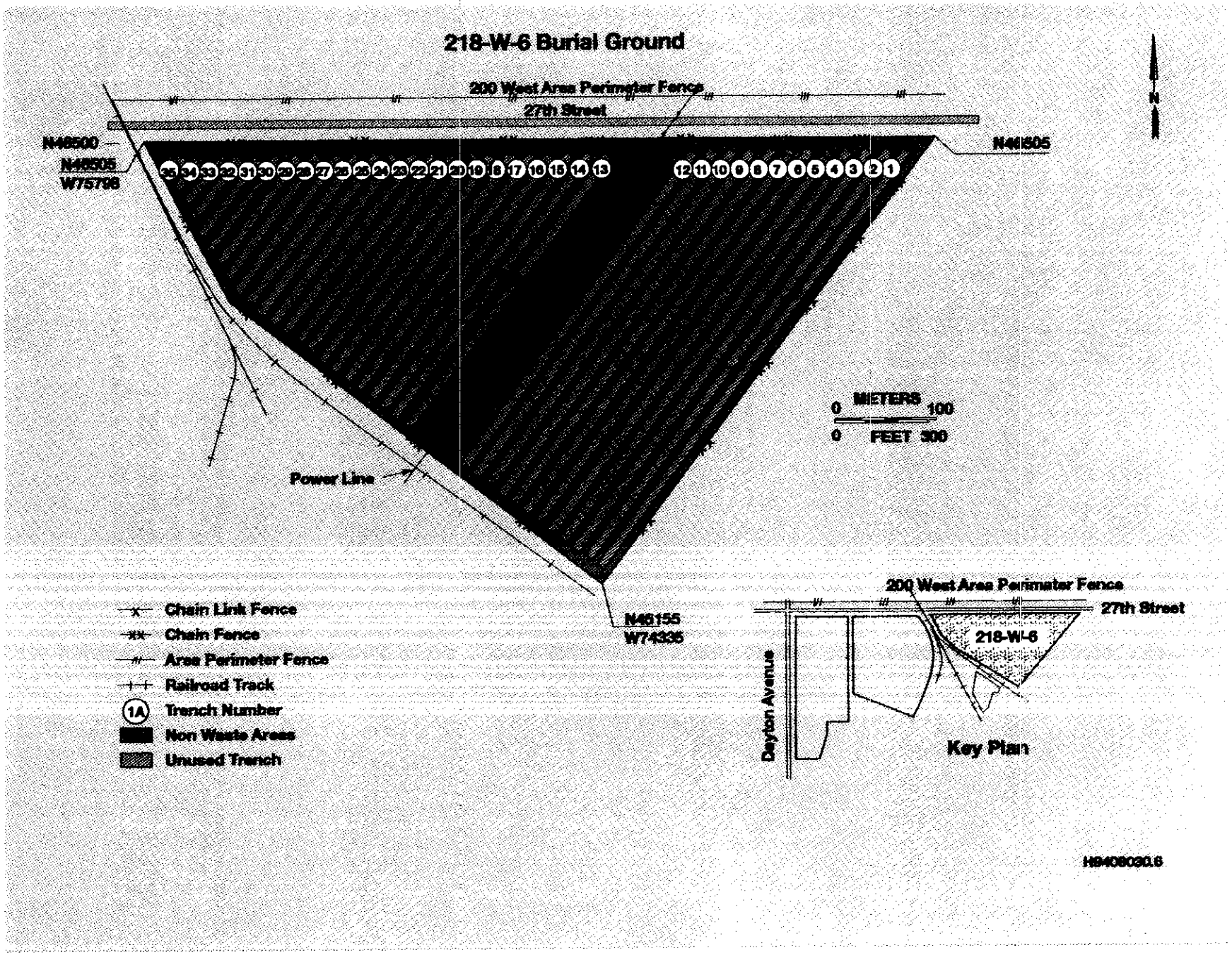
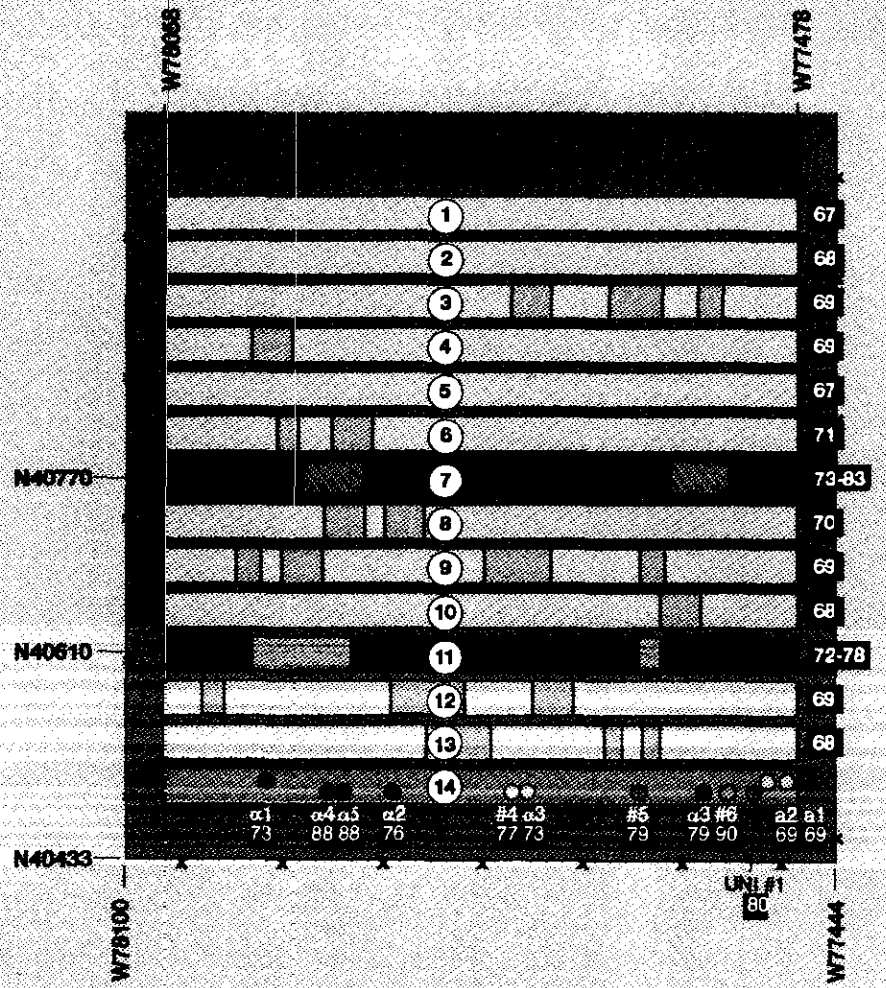


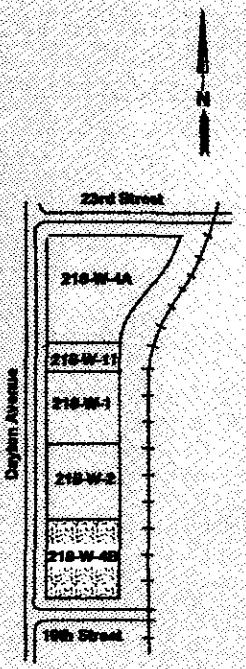
W and N numbers are Washington State Coordinate System points.



W and N numbers are Washington State Coordinate System points.

218-W-4B Burial Ground

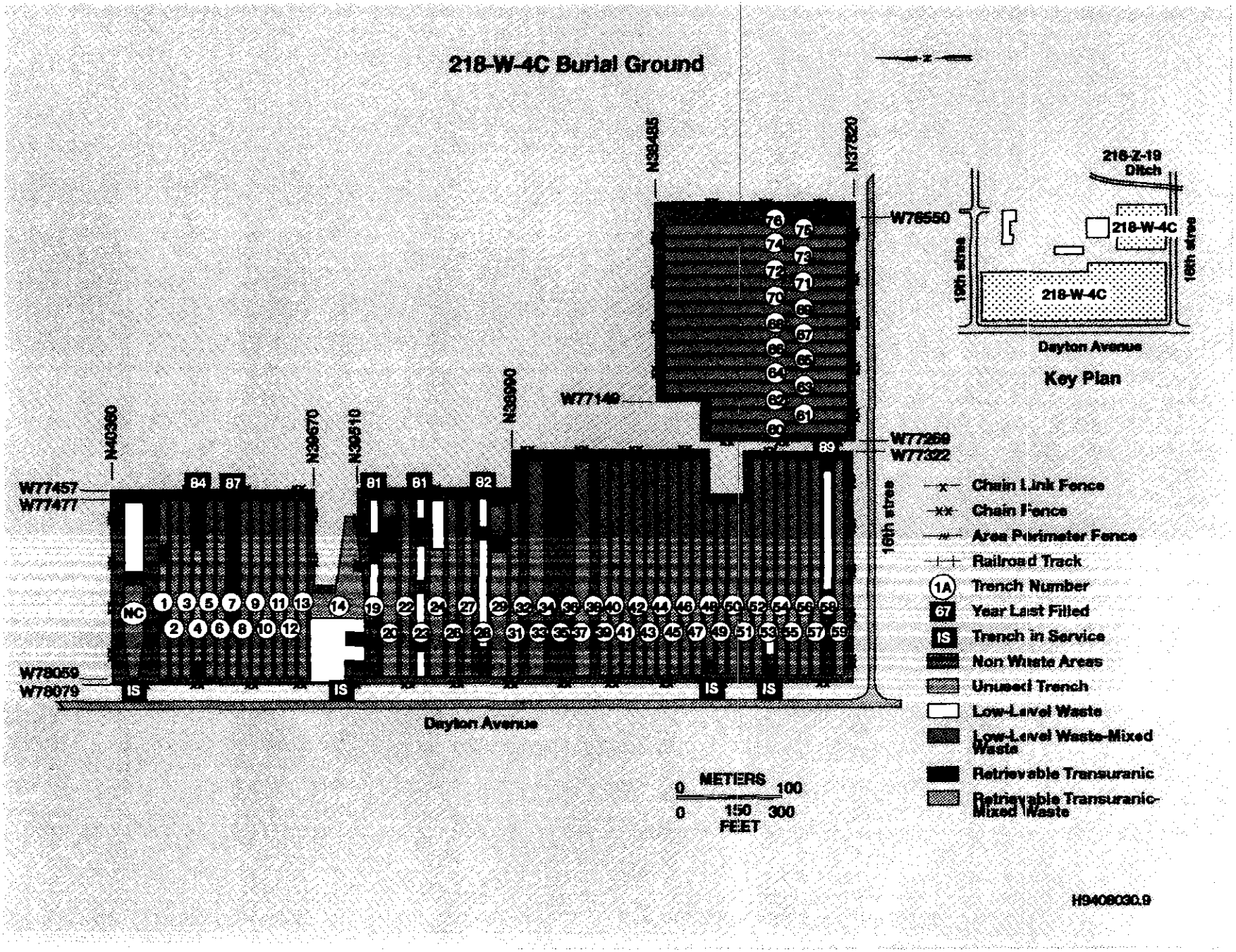




- Chain Link Fence
- Chain Fence
- Area Perimeter Fence
- Railroad Track
- (1A) Trench Number
- Caisson
- 67 Year Last Filled
- Non Waste Areas
- Unused Trench
- Unsegregated Transuranic
- Unsegregated Transuranic-Mixed Waste
- Retrievable Transuranic
- Retrievable Transuranic-Mixed Waste
- Remote Handled Low-Level Waste

H9408030.7

W and N numbers are Washington State Coordinate System points.



W and N numbers are Washington State Coordinate System points.

TYPICAL LOW-LEVEL BURIAL GROUND TRENCH 218-W-3A/200 WEST AREA

46°33'41.318"
119°38'6.440"

8301108-40CN
(PHOTO TAKEN 1983)

TYPICAL LOW-LEVEL RETRIEVABLE STORAGE FACILITY-LIQUID ORGANICS 218-W-4C/200 WEST AREA

46°33'5.892"
119°38'3.981"

8505779-30CN
(PHOTO TAKEN 1985)

SUBMARINE REACTOR COMPARTMENT TRENCH-94

46°34'05"
119°31'31"

93110638-6CN
(PHOTO TAKEN 1993)

Please print or type in the unshaded areas only
(fill-in areas are spaced for elite type, i.e., 12 character/inch).

FORM 3

DANGEROUS WASTE PERMIT APPLICATION

1. EPA/STATE I.D. NUMBER: W A 7 8 9 0 0 0 8 9 6 7

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED *(mo., day, & yr.)*	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA/STATE I.D. Number, or if this is a revised application, enter your facility's EPA/STATE I.D. Number in Section I above.

A. FIRST APPLICATION *(place an "X" below and provide the appropriate date)*

☐ 1. EXISTING FACILITY *(See instructions for definition of "existing" facility. Complete item below.)*

MO. | DAY | YR. — FOR EXISTING FACILITIES, PROVIDE THE DATE *(mo., day, & yr.)* OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED *(use the boxes to the left)*

☐ 2. NEW FACILITY *(Complete item below)*

MO. 0 4 | DAY 0 8 | YR. 9 4 — FOR NEW FACILITIES, PROVIDE THE DATE, *(mo., day, & yr.)* OPERATION BEGAN OR IS EXPECTED TO BEGIN

B. REVISED APPLICATION *(place an "X" below and complete Section I above)*

☒ 1. FACILITY HAS AN INTERIM STATUS PERMIT

☐ 2. FACILITY HAS A FINAL PERMIT

III. PROCESSES - CODES AND CAPACITIES

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process *(including its design capacity)* in the space provided on the *(Section III-C)*.

B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.

1. AMOUNT - Enter the amount.

2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER (barrel, drum, etc)	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D80	GALLONS OR LITERS
LANDFILL	D81	ACRE-FEET *(the volume that would cover one acre to a depth of one foot)* OR HECTARE-METER
LAND APPLICATION	D82	*ACRES OR HECTARES*
OCEAN DISPOSAL	D83	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D84	GALLONS OR LITERS

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Section III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G
LITERS	L
CUBIC YARDS	Y
CUBIC METERS	C
GALLONS PER DAY	U
LITERS PER DAY	V
TONS PER HOUR	D
METRIC TONS PER HOUR	W
GALLONS PER HOUR	E
LITERS PER HOUR	H
ACRE-FEET	A
HECTARE-METER	F
ACRES	B
HECTARES	Q

EXAMPLE FOR COMPLETING SECTION III *(shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons.* The facility also has an incinerator that can burn up to 20 gallons per hour.

LINE NUMBER	A. PROCESS CODE *(from list above)*	B. PROCESS DESIGN CAPACITY 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE *(from list above)*	B. PROCESS DESIGN CAPACITY 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY
X-1	S 0 2	600	G		5				
X-2	T 0 3	20	E		6				
1	S 0 4	19,500,000	G		7				
2					8				
3					9				
4					10				

CONTINUE ON REVERSE

Continued from the front.

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

S04

The Liquid Effluent Retention Facility (LERF) was constructed under interim status in accordance with the Washington Administrative Code (WAC) 173-303. The LERF provides interim storage of the 242-A Evaporator process condensate until treatment capability for the process condensate is available.

The LERF is a retention basin consisting of three cells (surface impoundments) (S04). Each cell has a design capacity of 6,500,000 gallons (24,605,000 liters) with a total capacity of 19,500,000 gallons (73,815,000 liters).

IV. DESCRIPTION OF DANGEROUS WASTES

A. DANGEROUS WASTE NUMBER - Enter the four digit number from Chapter 173-303 WAC for each listed dangerous waste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic contaminants of those dangerous wastes.

B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed dangerous waste: For each listed dangerous waste entered in column A select the code(s) from the list of process codes contained in Section III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

1. Select one of the Dangerous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other Dangerous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other Dangerous Waste Number that can be used to describe the dangerous waste.

EXAMPLE FOR COMPLETING SECTION IV *(shown in line numbers X-1, X-2, X-3, and X-4 below)* - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2			T 0 3 D 8 0	*Included with above*

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	F001	162,728,000	P	S04	Storage - Surface Impoundment
2	F002				
3	F003				
4	F004				
5	F005				
6	F039				
7	WT02				Included With Above
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

Continued from the front.

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM SECTION D(1) ON PAGE 3.

The LERF receives and stores the 242-A Evaporator process condensate until treatment capability for the process condensate is available. A description of the dangerous waste stored at LERF is as follows.

The 242-A Evaporator process condensate is regulated as a mixed waste due to the presence of spent halogenated and nonhalogenated solvents (F001, F002, F003, F004, and F005) and for the toxicity of ammonia (WT02, toxic state-only dangerous waste). Multi-source leachate (F039) is included as a waste derived from nonspecific source wastes F001 through F005.

The Estimated Annual Quantity of Dangerous Waste (item IV.B.) of 162,728,000 pounds (73,812,000 kilograms) per year is based on approximately 19,500,000 gallons (73,815,000 liters) of waste, or the total capacity of the the LERF.

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility *(see instructions for more detail)*.

VI. PHOTOGRAPHS

All existing facilities must include photographs *(aerial or ground-level)* that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas *(see instructions for more detail)*.

VII. FACILITY GEOGRAPHIC LOCATION This information is provided on the attached drawings and photos.

LATITUDE *(degrees, minutes, & seconds)*	LONGITUDE *(degrees, minutes, & seconds)*

VIII. FACILITY OWNER

[x] A. If the facility owner is also the facility operator as listed in Section VII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER			2. PHONE NO. *(area code & no.)*
3. STREET OR P.O. BOX	**4. CITY OR TOWN**	**5. ST.**	**6. ZIP CODE**

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME *(print or type)*	SIGNATURE	DATE SIGNED
John D. Wagoner, Manager U.S. Department of Energy Richland Operations Office	John D. Wagoner	11/4/94

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME *(print or type)*	SIGNATURE	DATE SIGNED
SEE ATTACHMENT		

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

John D. Wagoner — 11/4/94

Owner/Operator
John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office

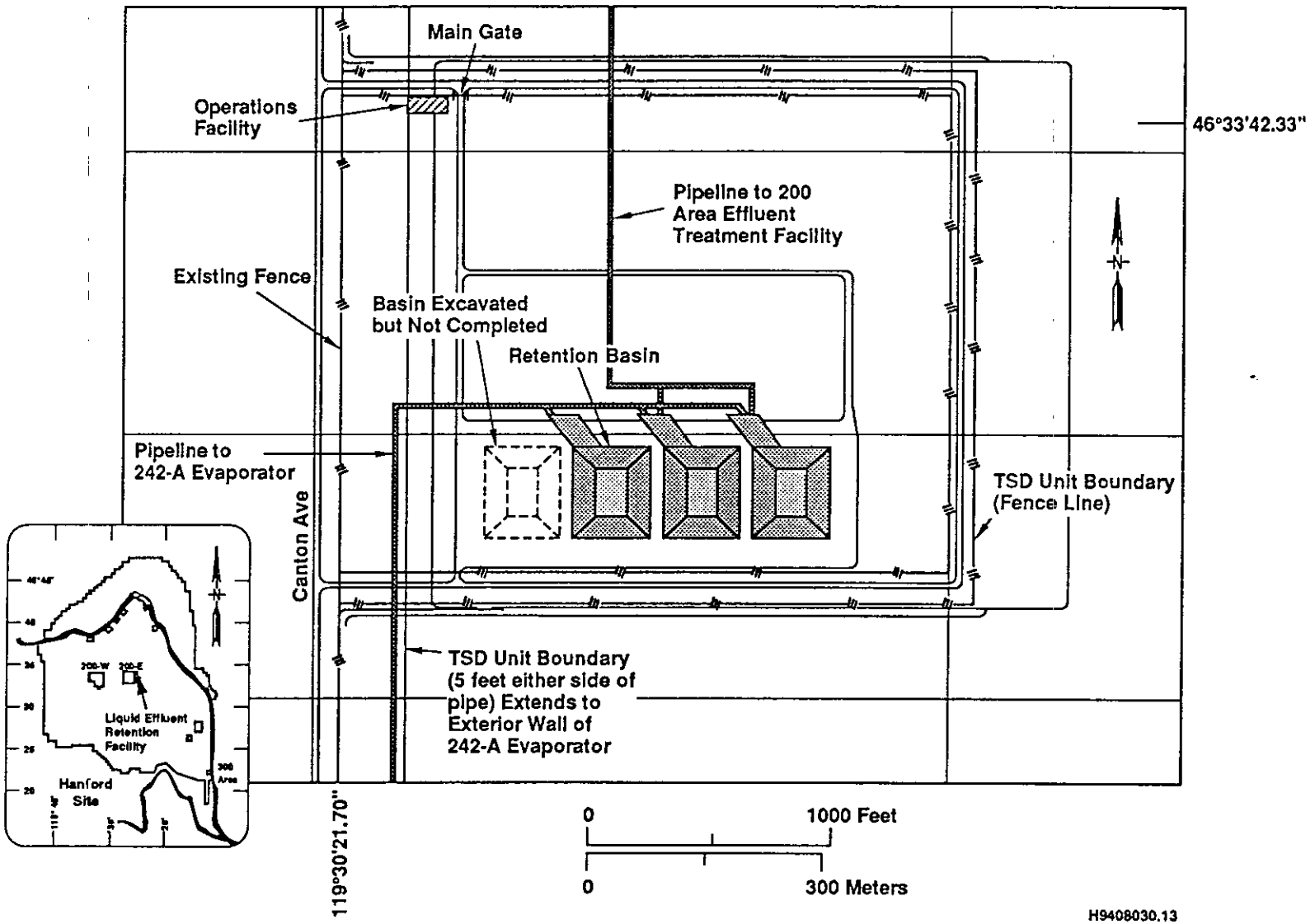
Date

A. LeMar Trego — 9/20/94

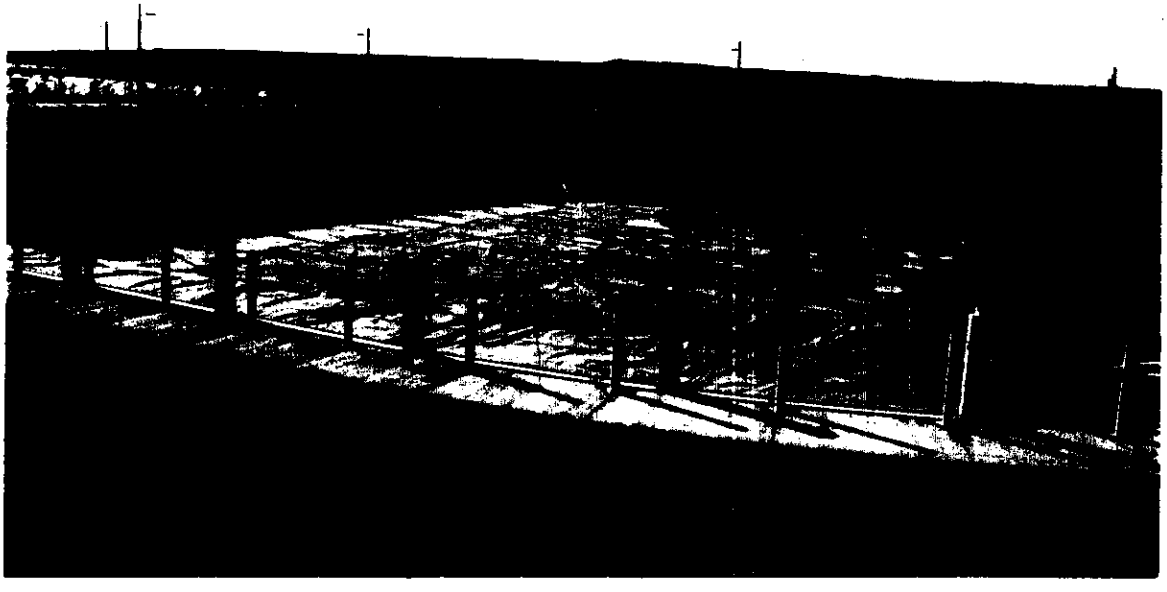
Co-operator
A. LaMar Trego, President
Westinghouse Hanford Company

Date

Liquid Effluent Retention Facility
Site Plan



LIQUID EFFLUENT RETENTION FACILITY



TYPICAL BASIN

46°33'42.33"
119°30'21.70"

92081260-9CN
(PHOTO TAKEN 1992)

Please print or type in the unshaded areas only
(fill-in areas are spaced for elite type, i.e., 12 character/inch).

FORM 3

DANGEROUS WASTE PERMIT APPLICATION

1. EPA/STATE I.D. NUMBER: W A 7 8 9 0 0 0 8 9 6 7

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED *(mo., day, & yr.)*	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA/STATE I.D. Number, or if this is a revised application, enter your facility's EPA/STATE I.D. Number in Section I above.

A. FIRST APPLICATION *(place an "X" below and provide the appropriate date)*

☐ 1. EXISTING FACILITY *(See instructions for definition of "existing" facility. Complete item below.)*

FOR EXISTING FACILITIES, PROVIDE THE DATE *(mo., day, & yr.)* OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED *(use the boxes to the left)*

MO.	DAY	YR.
0 6	0 1	5 1

☐ 2. NEW FACILITY *(Complete item below)*

FOR NEW FACILITIES, PROVIDE THE DATE, *(mo., day, & yr.)* OPERATION BEGAN OR IS EXPECTED TO BEGIN

MO.	DAY	YR.

B. REVISED APPLICATION *(place an "X" below and complete Section I above)*

☒ 1. FACILITY HAS AN INTERIM STATUS PERMIT

☐ 2. FACILITY HAS A FINAL PERMIT

III. PROCESSES - CODES AND CAPACITIES

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process *(including its design capacity)* in the space provided on the *(Section III-C)*.

B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.

1. AMOUNT - Enter the amount.

2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER (barrel, drum, etc)	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D80	GALLONS OR LITERS
LANDFILL	D81	ACRE-FEET *(the volume that would cover one acre to a depth of one foot)* OR HECTARE-METER
LAND APPLICATION	D82	*ACRES OR HECTARES*
OCEAN DISPOSAL	D83	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D84	GALLONS OR LITERS

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Section III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G
LITERS	L
CUBIC YARDS	Y
CUBIC METERS	C
GALLONS PER DAY	U
LITERS PER DAY	V
TONS PER HOUR	D
METRIC TONS PER HOUR	W
GALLONS PER HOUR	E
LITERS PER HOUR	H
ACRE-FEET	A
HECTARE-METER	F
ACRES	B
HECTARES	Q

EXAMPLE FOR COMPLETING SECTION III *(shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons.* The facility also has an incinerator that can burn up to 20 gallons per hour.

LINE NUMBER	A. PROCESS CODE *(from list above)*	B. PROCESS DESIGN CAPACITY 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE *(from list above)*	B. PROCESS DESIGN CAPACITY 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY
X-1	S 0 2	600	G		5				
X-2	T 0 3	20	E		6				
1	S 0 2	9,500	G		7				
2	T 0 1	206	U		8				
3	S 0 1	540	G		9				
4					10				

CONTINUE ON REVERSE

Continued from the front.

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

The 222-S Laboratory Complex consists of the following two waste management units, the 219-S Waste Handling Facility and the 222-S Dangerous and Mixed Waste Storage Area. Processes associated with these two units are described as follows.

S02,T01 - The 219-S Waste Handling Facility is located northeast of the 222-S Analytical Laboratory Building. The 219-S Waste Handling Facility contains three stainless steel tanks: 101 [4,000 gallon (15,000 liters)], 102 [4,000 gallon (15,000 liter)], and 103 [1,500 gallon (6,000 liter)] located in a belowground concrete vault (S02). Tanks 101 and 103 are used for primary and backup storage of mixed waste from the 222-S Analytical Laboratory. The mixed waste is transferred from tanks 101 and 103 to tank 102 for treatment (T01) and storage before transfer to the Double-Shell Tank (DST) System. The mixed waste is treated in tank 102 with sodium hydroxide (NaOH) to a pH greater than or equal to 12.0 and with sodium nitrite ($NaNO_2$) to a concentration of 600 parts per million. This treatment process makes the mixed waste more amenable for storage in the DST System. The maximum process design capacity of the three storage tanks is 9,500 gallons (36,000 liters). The maximum treatment process design capacity for tank 102 is 206 gallons (780 liters) per day [75,000 gallons (284,000 liters) per year].

S01 - The 222-S Dangerous and Mixed Waste Storage Area is located on the north side of the 222-S Analytical Laboratory Building. The 222-S Dangerous and Mixed Waste Storage Area consists of two metal storage structures resting on a concrete pad. The 222-S Dangerous and Mixed Waste Storage Area stores a total of 36 U.S. Department of Transportation-approved or equivalent 17C or 17H 55-gallon (208 liter) containers or other U.S. Department of Transportation-approved packages and overpacks of mixed waste and nonradioactive dangerous waste (S01). Each metal storage structure holds a total of 18 containers of waste. The containers are stored at the 222-S Dangerous and Mixed Waste Storage Area until transferred to the Hanford Central Waste Complex (mixed waste) or to the 616 Nonradioactive Dangerous Waste Storage Facility (nonradioactive dangerous waste) for storage. The maximum design capacity of the 222-S Dangerous and Mixed Waste Storage Area is 540 gallons (2,000 liters) [15 gallons (57 liters) of liquids per container].

IV. DESCRIPTION OF DANGEROUS WASTES

A. DANGEROUS WASTE NUMBER - Enter the four digit number from Chapter 173-303 WAC for each listed dangerous waste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic contaminants of those dangerous wastes.

B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed dangerous waste: For each listed dangerous waste entered in column A select the code(s) from the list of process codes contained in Section III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

1. Select one of the Dangerous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other Dangerous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other Dangerous Waste Number that can be used to describe the dangerous waste.

EXAMPLE FOR COMPLETING SECTION IV *(shown in line numbers X-1, X-2, X-3, and X-4 below)* - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2			T 0 3 D 8 0	included with above

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	D001	626,000	P	S02 T01	Storage - Tank/Treatment - Tank
2	D002				
3	D003				
4	D004				
5	D005				
6	D006				
7	D007				
8	D008				
9	D009				
10	D010				
11	D011				
12	D018				
13	D019				
14	D022				
15	D028				
16	D029				
17	D030				
18	D033				
19	D034				
20	D035				
21	D036				
22	D038				
23	D039				
24	D040				
25	D041				
26	D043				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	WT01		P	S02 T01	Storage - Tank/Treatment - Tank
2	WT02				
3	WC02				
4	WP01				
5	WP02				
6	F001				
7	F002				
8	F003				
9	F004				
10	F005				
11	F039				Included With Above
12	D001	12,000	P	S01	Storage - Container
13	D002				
14	D003				
15	D004				
16	D005				
17	D006				
18	D007				
19	D008				
20	D009				
21	D010				
22	D011				
23	D012				
24	D013				
25	D014				
26	D015				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	D016		P	S01	Storage - Container (cont)
2	D017				
3	D018				
4	D019				
5	D020				
6	D021				
7	D022				
8	D023				
9	D024				
10	D025				
11	D026				
12	D027				
13	D028				
14	D029				
15	D030				
16	D031				
17	D032				
18	D033				
19	D034				
20	D035				
21	D036				
22	D037				
23	D038				
24	WC02				
25	W001				
26	WP01				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	WP02		P	S01	Storage - Container (cont)
2	WT01				
3	WT02				
4	F001				
5	F002				
6	F003				
7	F004				
8	F005				
9	F027				
10	F039				Included With Above
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

Continued from the front.

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM SECTION D(1) ON PAGE 3.

Mixed waste from the 222-S Analytical Laboratory Building flows by gravity to the 219-S Waste Handling Facility for treatment before transfer to the Double-Shell Tank System. Some mixed waste may require chemical treatment within the 222-S Laboratory Complex before introducing the mixed waste into the 219-S Waste Handling Facility. The mixed waste is considered corrosive (D002) because of the presence of nitric acid prior to treatment and sodium hydroxide following treatment. Treated mixed waste transferred to the Double-Shell Tank System consists of characteristic waste (D001, D002, and D003), toxic constituents (D004 through D043), state-only waste (WC02, WP01, WP02, WT01, and WT02), and spent halogenated and nonhalogenated solvent waste (F001, F002, F003, F004, and F005). Multi-source leachate (F039) is included as a waste derived from nonspecific source wastes F001 through F005. Before transfer, sodium nitrite is added to the mixed waste for corrosion protection of the Double-Shell Tank System (WT02).

The U.S. Department of Transportation-approved or equivalent 17C or 17H 55-gallon (208-liter) containers or other U.S. Department of Transportation-approved packages and overpacks of waste are stored in two metal storage structures located on a concrete pad before shipment to the Hanford Central Waste Complex (mixed waste) and/or the 616 Nonradioactive Dangerous Waste Storage Facility (nonradioactive dangerous waste). The contents of the containers are identified through process knowledge and sample results. The containers hold characteristic waste (D001, D002, and D003), toxic constituents (D004 through D038), spent halogenated and nonhalogenated solvent waste (F001, F002, F003, F004, and F005), nonspecific source waste (F027 and F039 as defined above), discarded polychlorinated biphenyls (W001), and state-only waste (WC02, WP01, WP02, WT01, and WT02).

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility *(see instructions for more detail)*.

VI. PHOTOGRAPHS

All existing facilities must include photographs *(aerial or ground-level)* that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas *(see instructions for more detail)*.

VII. FACILITY GEOGRAPHIC LOCATION This information is provided on the attached drawings and photos.

LATITUDE *(degrees, minutes, & seconds)*	LONGITUDE *(degrees, minutes, & seconds)*

VIII. FACILITY OWNER

[X] A. If the facility owner is also the facility operator as listed in Section VII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER	2. PHONE NO. *(area code & no.)*

3. STREET OR P.O. BOX	4. CITY OR TOWN	5. ST.	6. ZIP CODE

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME *(print or type)*	SIGNATURE	DATE SIGNED
John D. Wagoner, Manager U.S. Department of Energy Richland Operations Office	John D. Wagoner	11/4/94

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME *(print or type)*	SIGNATURE	DATE SIGNED
SEE ATTACHMENT		

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

John D. Wagoner — 11/4/94

Owner/Operator
John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office

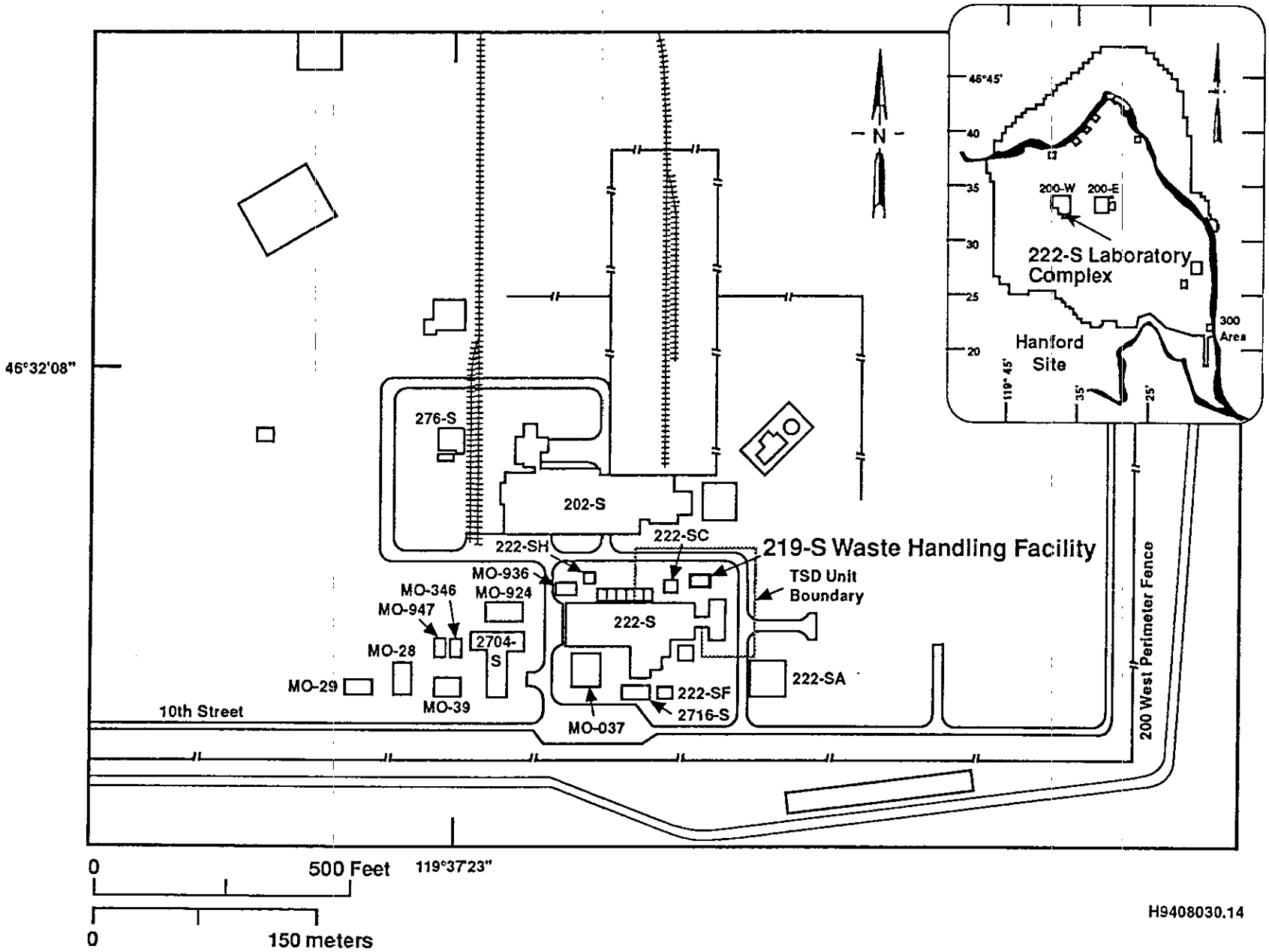
Date

A. LaMar Trego — 9/26/94

Co-operator
A. LaMar Trego, President
Westinghouse Hanford Company

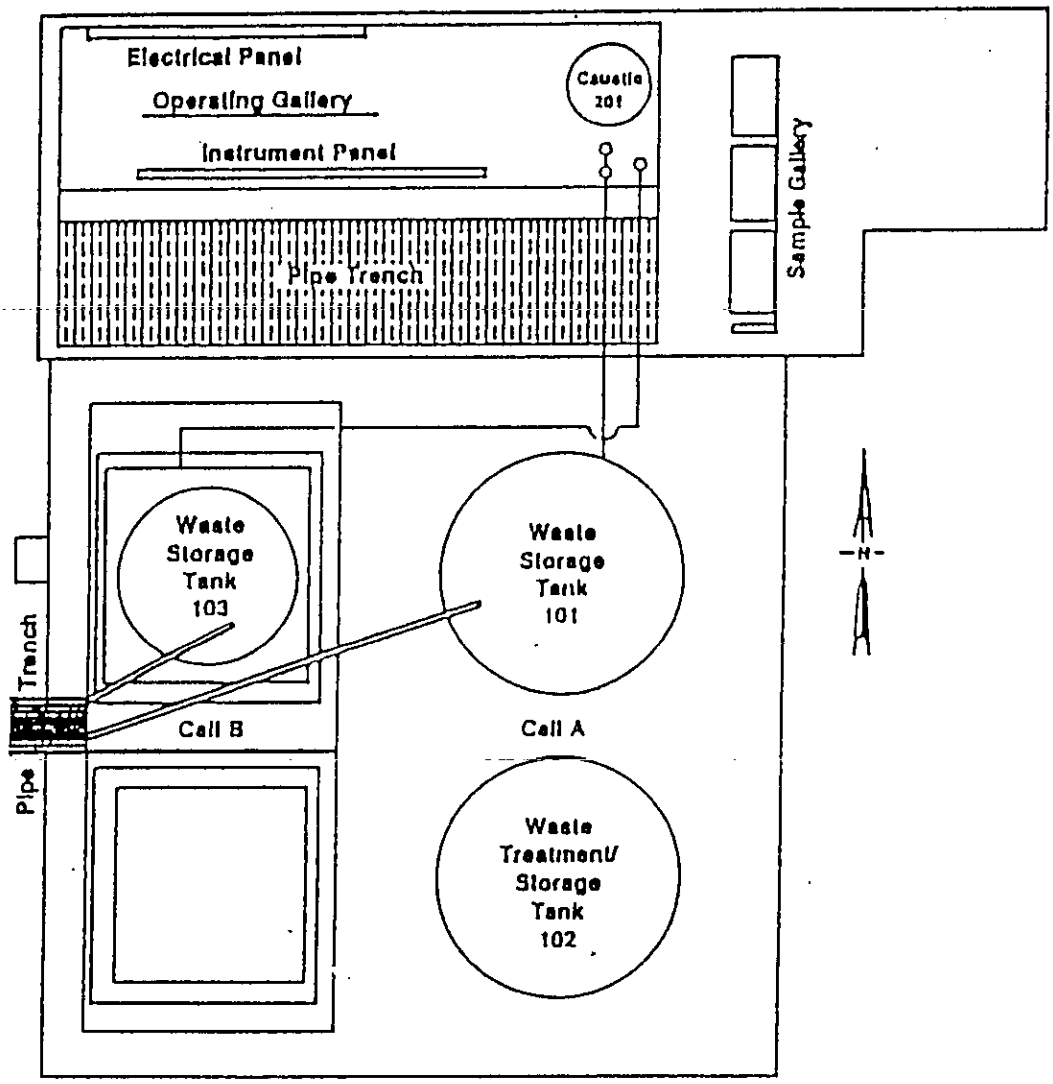
Date

222-S Laboratory Complex
219-S Waste Handling Facility Tanks 101, 102, and 103
Site Plan



WA7890008967

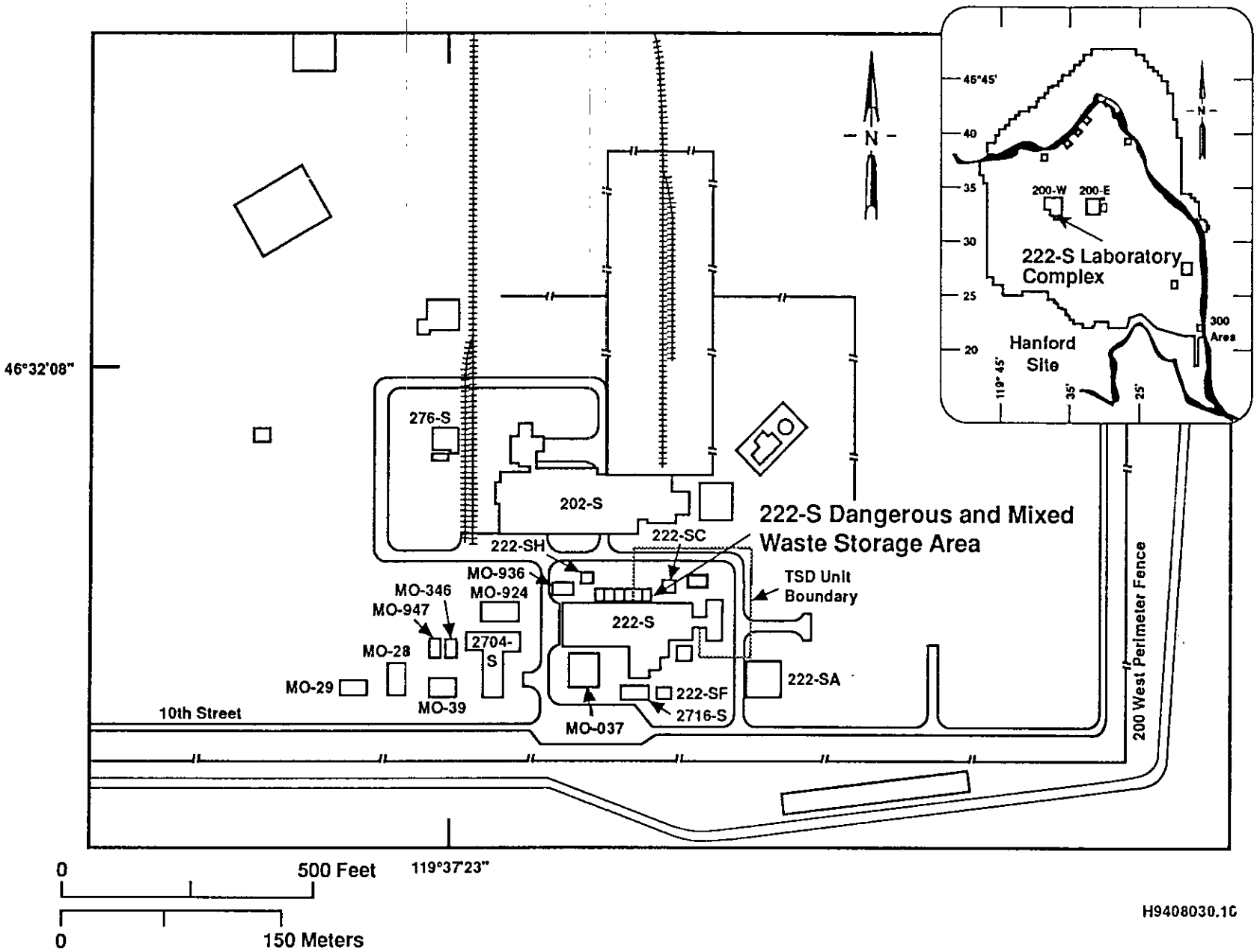
222-S LABORATORY COMPLEX



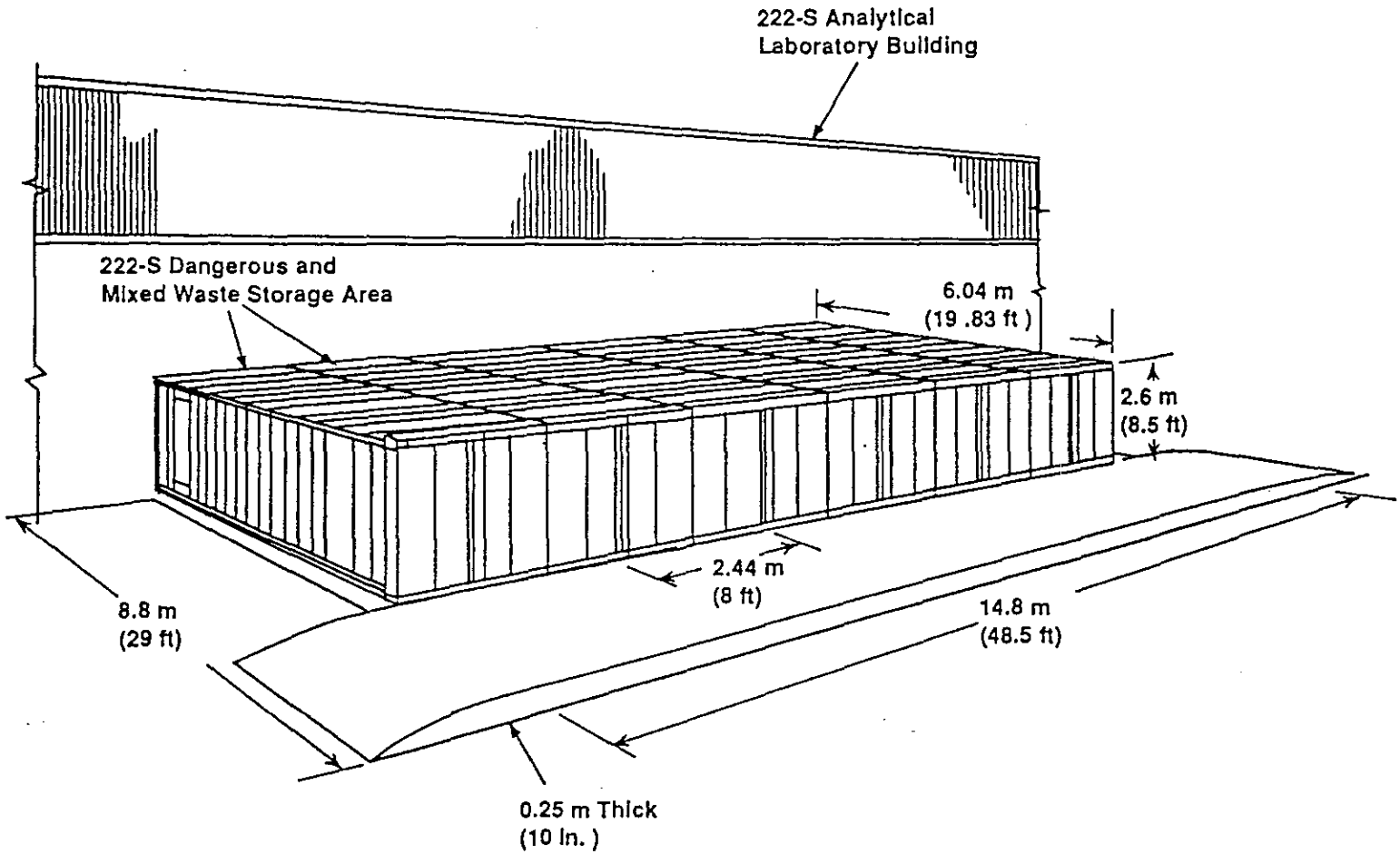
39109097.7

219-S WASTE HANDLING FACILITY
TANKS 101, 102, AND 103

222-S Laboratory Complex
222-S Dangerous and Mixed Waste Storage Area
Site Plan



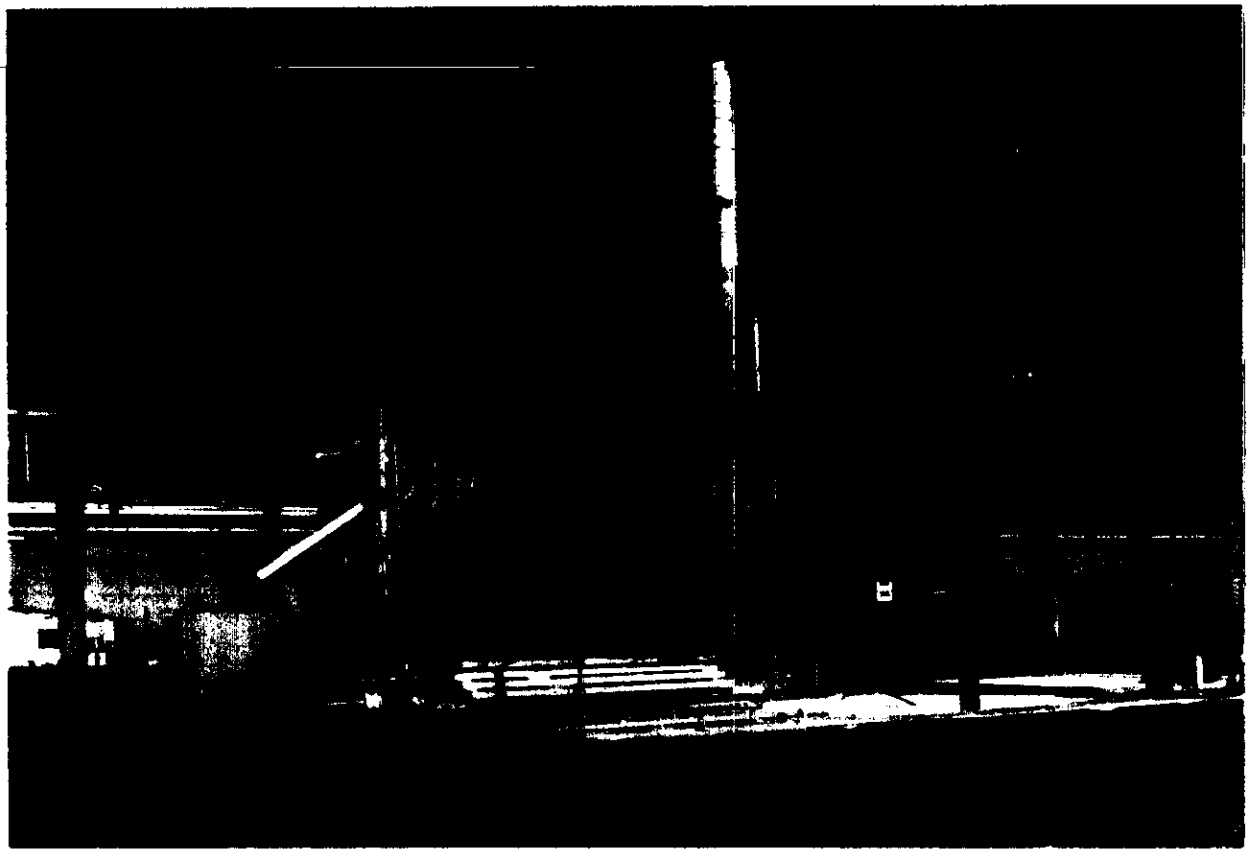
222-S Laboratory Complex



222-S Dangerous and Mixed Waste Storage Area

39106048.15

222-S LABORATORY COMPLEX

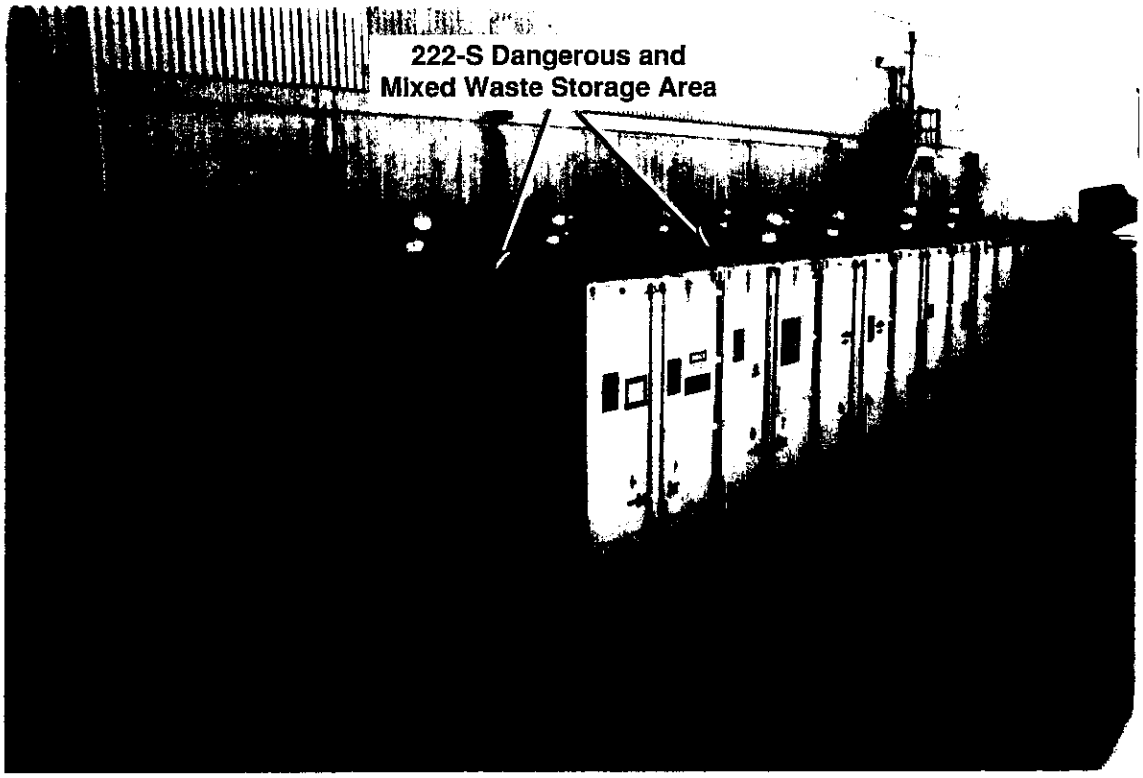


219-S Waste Handling Facility

46°32'02"
119°37'12"

91092605-2CN
(PHOTO TAKEN 1991)

222-S LABORATORY COMPLEX DANGEROUS AND MIXED WASTE STORAGE AREA



Metal Storage Structures on Storage Pad

46°32'02"
119°37'12"

91022217-24CN
(PHOTO TAKEN 1991)

222-S LABORATORY COMPLEX DANGEROUS AND MIXED WASTE STORAGE AREA

Metal Storage Structure Internal View

46°32'02"
119°37'12"

91022217-27CN
(PHOTO TAKEN 1991)

Please print or type in the unshaded areas only
(fill-in areas are spaced for elite type, i.e., 12 character/inch).

FORM 3	DANGEROUS WASTE PERMIT APPLICATION	1. EPA/STATE I.D. NUMBER
		W A 7 8 9 0 0 0 8 9 6 7

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED *(mo., day, & yr.)*	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA/STATE I.D. Number, or if this is a revised application, enter your facility's EPA/STATE I.D. Number in Section I above.

A. FIRST APPLICATION *(place an "X" below and provide the appropriate date)*

☐ 1. EXISTING FACILITY *(See instructions for definition of "existing" facility. Complete item below.)*

MO.	DAY	YR.
0 8		8 8

FOR EXISTING FACILITIES, PROVIDE THE DATE *(mo., day, & yr.)* OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED *(use the boxes to the left)*

☐ 2. NEW FACILITY *(Complete item below)*

MO.	DAY	YR.

FOR NEW FACILITIES, PROVIDE THE DATE *(mo., day, & yr.)* OPERATION BEGAN OR IS EXPECTED TO BEGIN

B. REVISED APPLICATION *(place an "X" below and complete Section I above)*

☒ 1. FACILITY HAS AN INTERIM STATUS PERMIT

☐ 2. FACILITY HAS A FINAL PERMIT

III. PROCESSES - CODES AND CAPACITIES

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process *(including its design capacity)* in the space provided on the *(Section III-C)*.

B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.

1. AMOUNT - Enter the amount.

2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER (barrel, drum, etc)	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D80	GALLONS OR LITERS
LANDFILL	D81	ACRE-FEET *(the volume that would cover one acre to a depth of one foot)* OR HECTARE-METER
LAND APPLICATION	D82	*ACRES OR HECTARES*
OCEAN DISPOSAL	D83	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D84	GALLONS OR LITERS

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Section III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G
LITERS	L
CUBIC YARDS	Y
CUBIC METERS	C
GALLONS PER DAY	U

UNIT OF MEASURE	UNIT OF MEASURE CODE
LITERS PER DAY	V
TONS PER HOUR	D
METRIC TONS PER HOUR	W
GALLONS PER HOUR	E
LITERS PER HOUR	H

UNIT OF MEASURE	UNIT OF MEASURE CODE
ACRE-FEET	A
HECTARE-METER	F
ACRES	B
HECTARES	Q

EXAMPLE FOR COMPLETING SECTION III *(shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons.* The facility also has an incinerator that can burn up to 20 gallons per hour.

LINE NUMBER	A. PROCESS CODE *(from list above)*	B. PROCESS DESIGN CAPACITY 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE *(from list above)*	B. PROCESS DESIGN CAPACITY 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY
X-1	S 0 2	600	G		5				
X-2	T 0 3	20	E		6				
1	S 0 1	22,710,000	L		7				
2	T 0 4	45,420	V		8				
3					9				
4					10				

Continued from the front.

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

S01, T04

The Hanford Central Waste Complex consists of a Waste Receiving and Processing (WRAP) unit and storage units for mixed waste. The WRAP unit will provide central and mobile treatment units capable of treating up to 16,578,300 liters (4,379,500 gallons) per year of mixed waste in accordance with applicable codes and regulations. Treatment will include the absorption and solidification of free liquids, and the neutralization of corrosive materials. Mixed waste that is managed includes low-level waste (LLW) and transuranic waste (TRU). There is mixed waste stored temporarily on the Mixed Waste Storage Pad awaiting transfer when storage capacity becomes available in the mixed waste storage units. The mixed waste accepted for storage is managed in mixed waste storage units comprised of compliant storage structures. Waste that has less than 100°F flash point (ignitable) will be stored in the Low Flash Point Storage units. The storage design capacity for all the mixed waste storage units is 22,710,000 liters (5,999,300 gallons). The treatment design capacity for the storage units is included in the total identified for the WRAP unit. The treatment design capacity for WRAP is estimated to be 45,420 liters (12,000 gallons) per day of mixed waste.

IV. DESCRIPTION OF DANGEROUS WASTES

A. DANGEROUS WASTE NUMBER - Enter the four digit number from Chapter 173-303 WAC for each listed dangerous waste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic contaminants of those dangerous wastes.

B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed dangerous waste: For each listed dangerous waste entered in column A select the code(s) from the list of process codes contained in Section III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

1. Select one of the Dangerous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other Dangerous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other Dangerous Waste Number that can be used to describe the dangerous waste.

EXAMPLE FOR COMPLETING SECTION IV *(shown in line numbers X-1, X-2, X-3, and X-4 below)* - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T03 D80	
X-2	D 0 0 2	400	P	T03 D80	
X-3	D 0 0 1	100	P	T03 D80	
X-4	D 0 0 2			T03 D80	included with above

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

---The following "Description of Dangerous Wastes" section (Pages 3 through 18 of 44) is for the HCWC mixed waste storage units.

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	D001	4,600	K	S01 T04	Storage/Treatment
2	D002	300			
3	D003				
4	D004				
5	D005				
6	D006				
7	D007				
8	D008	45,400			
9	D009	300			
10	D010				
11	D011				Included With Above
12	D012	300	K	S01	Storage
13	D016				
14	D018				
15	D019				
16	D020				
17	D021				
18	D022				
19	D023				
20	D024				
21	D025				
22	D026				
23	D027				
24	D028				
25	D029				
26	D030				

CONTINUE ON REVERSE
(enter "A", "B", "C", etc. behind the "3" to identify photo copied pages)

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	D031	300	K	S01	Storage
2	D032				
3	D033				
4	D034				
5	D035				
6	D036				
7	D037				
8	D038				
9	D039				
10	D040				
11	D041				
12	D042				
13	D043				Included With Above
14	WT01	363,200	K	S01 T04	Storage/Treatment
15	WT02	36,400			
16	WP01	3,700			
17	WP02				
18	WP03				
19	WC02	7,400			
20	W001	10,000			
21	F001	3,700			
22	F002				
23	F003				
24	F004				
25	F005				
26	F020	300			

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*

W	A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	F021	300	K	S01 T04	Storage/Treatment
2	F022				
3	F023				
4	F026				
5	F027				
6	F028				
7	F039				
8	U001				
9	U002				
10	U003				
11	U004				
12	U005				
13	U006				
14	U007				
15	U008				
16	U009				
17	U010				
18	U011				
19	U012				
20	U014				
21	U015				
22	U016				
23	U017				
24	U018				
25	U019				
26					

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U020	300	K	S01 T04	Storage/Treatment
2	U021				
3	U022				
4	U023				
5	U024				
6	U025				
7	U026				
8	U027				
9	U028				
10	U029				
11	U030				
12	U031				
13	U032				
14	U033				
15	U034				
16	U035				
17	U036				
18	U037				
19	U038				
20	U039				
21	U041				
22	U042				
23	U043				
24	U044				
25	U045				
26	U046				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U047	300	K	S01 T04	Storage/Treatment
2	U048				
3	U049				
4	U050				
5	U051				
6	U052				
7	U053				
8	U055				
9	U056				
10	U057				
11	U058				
12	U059				
13	U060				
14	U061				
15	U062				
16	U063				
17	U064				
18	U066				
19	U067				
20	U068				
21	U069				
22	U070				
23	U071				
24	U072				
25	U073				
26	U074				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*

W	A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U075	300	K	S01 T04	Storage/Treatment
2	U076				
3	U077				
4	U078				
5	U079				
6	U080				
7	U081				
8	U082				
9	U083				
10	U084				
11	U085				
12	U086				
13	U087				
14	U088				
15	U089				
16	U090				
17	U091				
18	U092				
19	U093				
20	U094				
21	U095				
22	U096				
23	U097				
24	U098				
25	U101				
26	U102				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*

W	A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U107	300	K	S01 T04	Storage/Treatment
2	U108				
3	U112				
4	U113				
5	U116				
6	U117				
7	U118				
8	U119				
9	U120				
10	U123				
11	U124				
12	U134				
13	U136				
14	U137				
15	U139				
16	U140				
17	U145				
18	U146				
19	U148				
20	U149				
21	U150				
22	U151				
23	U152				
24	U153				
25	U154				
26	U155				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U156	300	K	S01 T04	Storage/Treatment
2	U157				
3	U158				
4	U159				
5	U160				
6	U161				
7	U162				
8	U163				
9	U164				
10	U165				
11	U166				
12	U167				
13	U168				
14	U169				
15	U170				
16	U171				
17	U172				
18	U173				
19	U174				
20	U175				
21	U176				
22	U177				
23	U178				
24	U179				
25	U180				
26	U181				

CONTINUE ON REVERSE

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U182	300	K	S01 T04	Storage/Treatment
2	U183				
3	U184				
4	U185				
5	U186				
6	U187				
7	U188				
8	U189				
9	U190				
10	U191				
11	U192				
12	U193				
13	U194				
14	U196				
15	U197				
16	U200				
17	U201				
18	U202				
19	U203				
20	U204				
21	U205				
22	U206				
23	U207				
24	U208				
25	U209				
26	U210				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U211	300	K	S01 T04	Storage/Treatment
2	U212				
3	U213				
4	U214				
5	U215				
6	U216				
7	U217				
8	U218				
9	U219				
10	U220				
11	U221				
12	U222				
13	U223				
14	U225				
15	U226				
16	U227				
17	U228				
18	U232				
19	U233				
20	U234				
21	U235				
22	U236				
23	U237				
24	U238				
25	U239				
26					

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U240	300	K	S01 T04	Storage/Treatment
2	U243				
3	U244				
4	U245				
5	U246				
6	U247				
7	U248	500			
8	U249				
9	U328				
10	U353				
11	U359				Included With Above
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*

W	A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	P001	300	K	S01 T04	Storage/Treatment
2	P002				
3	P003				
4	P004				
5	P005				
6	P006				
7	P007				
8	P008				
9	P009				
10	P010				
11	P011				
12	P012				
13	P013				
14	P014				
15	P015				
16	P016				
17	P017				
18	P018				
19	P020				
20	P021				
21	P022				
22	P023				
23	P024				
24	P025				
25	P026				
26	P027				

CONTINUE ON REVERSE

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	P028	300	K	S01 T04	Storage/Treatment
2	P029				
3	P030				
4	P031				
5	P033				
6	P034				
7	P036				
8	P037				
9	P038				
10	P039				
11	P040				
12	P041				
13	P042				
14	P043				
15	P044				
16	P045				
17	P046				
18	P047				
19	P048				
20	P049				
21	P050				
22	P051				
23	P054				
24	P056				
25	P057				
26	P058				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*

W	A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	P059	300	K	S01 T04	Storage/Treatment
2	P060				
3	P062				
4	P063				
5	P064				
6	P065				
7	P066				
8	P067				
9	P068				
10	P069				
11	P070				
12	P071				
13	P072				
14	P073				
15	P074				
16	P075				
17	P075				
18	P076				
19	P077				
20	P078				
21	P081				
22	P082				
23	P084				
24	P085				
25	P087				
26	P088				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	P089	300	K	S01 T04	Storage/Treatment
2	P092				
3	P093				
4	P094				
5	P095				
6	P096				
7	P097				
8	P098				
9	P099				
10	P101				
11	P102				
12	P103				
13	P104				
14	P105				
15	P106				
16	P107				
17	P108				
18	P109				
19	P110				
20	P111				
21	P112				
22	P113				
23	P114				
24	P115				
25	P116				
26	P118				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*

W	A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	P119	300	K	S01 T04	Storage/Treatment
2	P120				
3	P121				
4	P122				
5	P123				Included With Above
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

The following "Description of Dangerous Wastes" section (Pages 19 through 35 of 44) is for the HCWC WRAP unit.

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	D001	20,000	K	T04	Treatment
2	D002	15,000			
3	D003	500			
4	D004	50			
5	D005	400			
6	D006	117			
7	D007	400			
8	D008	↓			
9	D009	800			
10	D010	10			
11	D011	20			
12	D012	300			
13	D016	↓			
14	D018				
15	D019				
16	D020				
17	D021				
18	D022				
19	D023				
20	D024				
21	D025				
22	D026				
23	D027				
24	D028				
25	D029				
26	D030	↓	↓	↓	↓

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*

W	A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	D031	300	K	T04	Treatment
2	D032				
3	D033				
4	D034				
5	D035				
6	D036				
7	D037				
8	D038				
9	D039				
10	D040				
11	D041				
12	D042				
13	D043				
14	WT01	16,000			
15	WT02	22,000			
16	WP01	12,000			
17	WP02	3,000			
18	WP03	2,000			
19	WC02	7,000			
20	F001	4,000			
21	F002	4,500			
22	F003	6,500			
23	F004	570			
24	F005	6,000			
25	F020	300			
26	F021				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	F022	300	K	T04	Treatment
2	F023	↓	↓	↓	↓
3	F026	↓	↓	↓	↓
4	F027	500	↓	↓	↓
5	F028	300	↓	↓	↓
6	F039	500	↓	↓	↓
7	U001	500	↓	↓	↓
8	U002	1,000	↓	↓	↓
9	U003	↓	↓	↓	↓
10	U004	500	↓	↓	↓
11	U005	↓	↓	↓	↓
12	U006	↓	↓	↓	↓
13	U007	↓	↓	↓	↓
14	U008	↓	↓	↓	↓
15	U009	↓	↓	↓	↓
16	U010	↓	↓	↓	↓
17	U011	↓	↓	↓	↓
18	U012	↓	↓	↓	↓
19	U014	↓	↓	↓	↓
20	U015	↓	↓	↓	↓
21	U016	↓	↓	↓	↓
22	U017	↓	↓	↓	↓
23	U018	↓	↓	↓	↓
24	U019	↓	↓	↓	↓
25	U020	↓	↓	↓	↓
26	U021	↓	↓	↓	↓

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U022	500	K	T04	Treatment
2	U023				
3	U024				
4	U025				
5	U026				
6	U027				
7	U028				
8	U029				
9	U030				
10	U031				
11	U032	1,000			
12	U033	500			
13	U034				
14	U035				
15	U036				
16	U037				
17	U038				
18	U039				
19	U041				
20	U042				
21	U043				
22	U044	1,000			
23	U045	500			
24	U046				
25	U047				
26	U048				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U049	500	K	T04	Treatment
2	U050	↓	↓	↓	↓
3	U051	2,000			
4	U052	500			
5	U053				
6	U055				
7	U056				
8	U057				
9	U058				
10	U059				
11	U060				
12	U061				
13	U062				
14	U063				
15	U064				
16	U066				
17	U067				
18	U068				
19	U069				
20	U070				
21	U071				
22	U072				
23	U073				
24	U074				
25	U075				
26	U076	↓	↓	↓	↓

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U077	500	K	T04	Treatment
2	U078				
3	U079				
4	U080				
5	U081				
6	U082				
7	U083				
8	U084				
9	U085				
10	U086				
11	U087				
12	U088				
13	U089				
14	U090				
15	U091				
16	U092				
17	U093				
18	U094				
19	U095				
20	U096				
21	U097				
22	U098				
23	U099				
24	U101				
25	U102				
26	U103				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*

W	A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U105	500	K	T04	Treatment
2	U106				
3	U107				
4	U108				
5	U109				
6	U110				
7	U111				
8	U112				
9	U113				
10	U114				
11	U115				
12	U116				
13	U117				
14	U118				
15	U119				
16	U120				
17	U121				
18	U122				
19	U123				
20	U124				
21	U125				
22	U126				
23	U127				
24	U128				
25	U129				
26	U130				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*

W	A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U131	500	K	T04	Treatment
2	U132	↓	↓	↓	↓
3	U133	5,000			
4	U134	1,000			
5	U135	500			
6	U136	↓			
7	U137				
8	U138				
9	U139				
10	U140				
11	U141				
12	U142				
13	U143				
14	U144	↓			
15	U145	1,000			
16	U146	500			
17	U147	↓			
18	U148				
19	U149				
20	U150	↓			
21	U151	5,000			
22	U152	500			
23	U153	↓			
24	U154	1,000			
25	U155	500			
26	U156	↓	↓	↓	↓

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U157	500	K	T04	Treatment
2	U158				
3	U159				
4	U160				
5	U161				
6	U162				
7	U163				
8	U164				
9	U165				
10	U166				
11	U167				
12	U168				
13	U169				
14	U170				
15	U171				
16	U172				
17	U173				
18	U174				
19	U175				
20	U176				
21	U177				
22	U178				
23	U179				
24	U180				
25	U181				
26	U182				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U183	500	K	T04	Treatment
2	U184	↓	↓	↓	↓
3	U185	↓	↓	↓	↓
4	U186	300	↓	↓	↓
5	U187	500	↓	↓	↓
6	U188	300	↓	↓	↓
7	U189	500	↓	↓	↓
8	U190	↓	↓	↓	↓
9	U191	↓	↓	↓	↓
10	U192	↓	↓	↓	↓
11	U193	↓	↓	↓	↓
12	U194	↓	↓	↓	↓
13	U196	↓	↓	↓	↓
14	U197	↓	↓	↓	↓
15	U200	↓	↓	↓	↓
16	U201	↓	↓	↓	↓
17	U202	↓	↓	↓	↓
18	U203	↓	↓	↓	↓
19	U204	↓	↓	↓	↓
20	U205	↓	↓	↓	↓
21	U206	↓	↓	↓	↓
22	U207	↓	↓	↓	↓
23	U208	↓	↓	↓	↓
24	U209	↓	↓	↓	↓
25	U210	1,500	↓	↓	↓
26	U211	5,000	↓	↓	↓

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (If a code is not entered in D(1))
1	U212	500	K	T04	Treatment
2	U213				
3	U214				
4	U215				
5	U216				
6	U217				
7	U218				
8	U219				
9	U220	1,500			
10	U221	500			
11	U222				
12	U223	1,500			
13	U225				
14	U226	5,000			
15	U227	500			
16	U228	1,000			
17	U232				
18	U233				
19	U234	500			
20	U235	1,000			
21	U236				
22	U237				
23	U238	500			
24	U239	1,000			
25	U240	300			
26	U243	1,000			

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U244	1,000	K	T04	Treatment
2	U245	300			
3	U246				
4	U247				
5	U248	500			
6	U249				
7	U328				
8	U353				
9	U359				Included With Above
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

CONTINUE ON REVERSE

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*

W	A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	P001	500	K	T04 S01	Treatment/Storage
2	P002				
3	P003				
4	P004				
5	P005				
6	P006				
7	P007				
8	P008				
9	P009				
10	P010				
11	P011				
12	P012				
13	P013				
14	P014				
15	P015				
16	P016				
17	P017				
18	P018				
19	P020				
20	P021				
21	P022				
22	P023				
23	P024				
24	P025				
25	P026				
26	P027				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	P028	500	K	T04 S01	Treatment/Storage
2	P029				
3	P030				
4	P031				
5	P033				
6	P034				
7	P036				
8	P037				
9	P038				
10	P039				
11	P040				
12	P041				
13	P042				
14	P043				
15	P044				
16	P045				
17	P046				
18	P047				
19	P048				
20	P049				
21	P050				
22	P051				
23	P054				
24	P056				
25	P057				
26	P058				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*

W	A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	P059	500	K	T04 S01	Treatment/Storage
2	P060				
3	P062				
4	P063				
5	P064				
6	P065				
7	P066				
8	P067				
9	P068				
10	P069				
11	P070				
12	P071				
13	P072				
14	P073				
15	P074				
16	P075				
17	P076				
18	P077				
19	P078				
20	P081				
21	P082				
22	P084				
23	P085				
24	P087				
25	P088				
26	P089				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*

W	A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	P092	500	K	T04 S01	Treatment/Storage
2	P093				
3	P094				
4	P095				
5	P096				
6	P097				
7	P098				
8	P099				
9	P101				
10	P102				
11	P103				
12	P104				
13	P105				
14	P106				
15	P107				
16	P108				
17	P109				
18	P110				
19	P111				
20	P112				
21	P113				
22	P114				
23	P115				
24	P116				
25	P118				
26	P119				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	P120	500	K	T04 S01	Treatment/Storage
2	P121	↓	↓	↓	↓
3	P122	↓	↓	↓	↓
4	P123	↓	↓	↓	Included with above
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

Continued from the front.

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM SECTION D(1) ON PAGE 3.

The mixed waste managed at the Hanford Central Waste Complex includes mixed waste generated from various operations both on and off the Hanford Facility. Waste consists of listed waste, waste from nonspecific sources, characteristic waste, and state-only waste (extremely hazardous and dangerous waste). Multi-source leachate (F039) is included as a waste derived from nonspecific source wastes F001 through F005.

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility *(see instructions for more detail)*.

VI. PHOTOGRAPHS

All existing facilities must include photographs *(aerial or ground-level)* that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas *(see instructions for more detail)*.

VII. FACILITY GEOGRAPHIC LOCATION This information is provided on the attached drawings and photos.

LATITUDE *(degrees, minutes, & seconds)*	LONGITUDE *(degrees, minutes, & seconds)*

VIII. FACILITY OWNER

[X] A. If the facility owner is also the facility operator as listed in Section VII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER			2. PHONE NO. *(area code & no.)*
3. STREET OR P.O. BOX	4. CITY OR TOWN	5. ST.	6. ZIP CODE

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME *(print or type)*	SIGNATURE	DATE SIGNED
John D. Wagoner, Manager U.S. Department of Energy Richland Operations Office	John D. Wagoner	11/4/94

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME *(print or type)*	SIGNATURE	DATE SIGNED
SEE ATTACHMENT		

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

John D. Wagoner

Owner/Operator
John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office

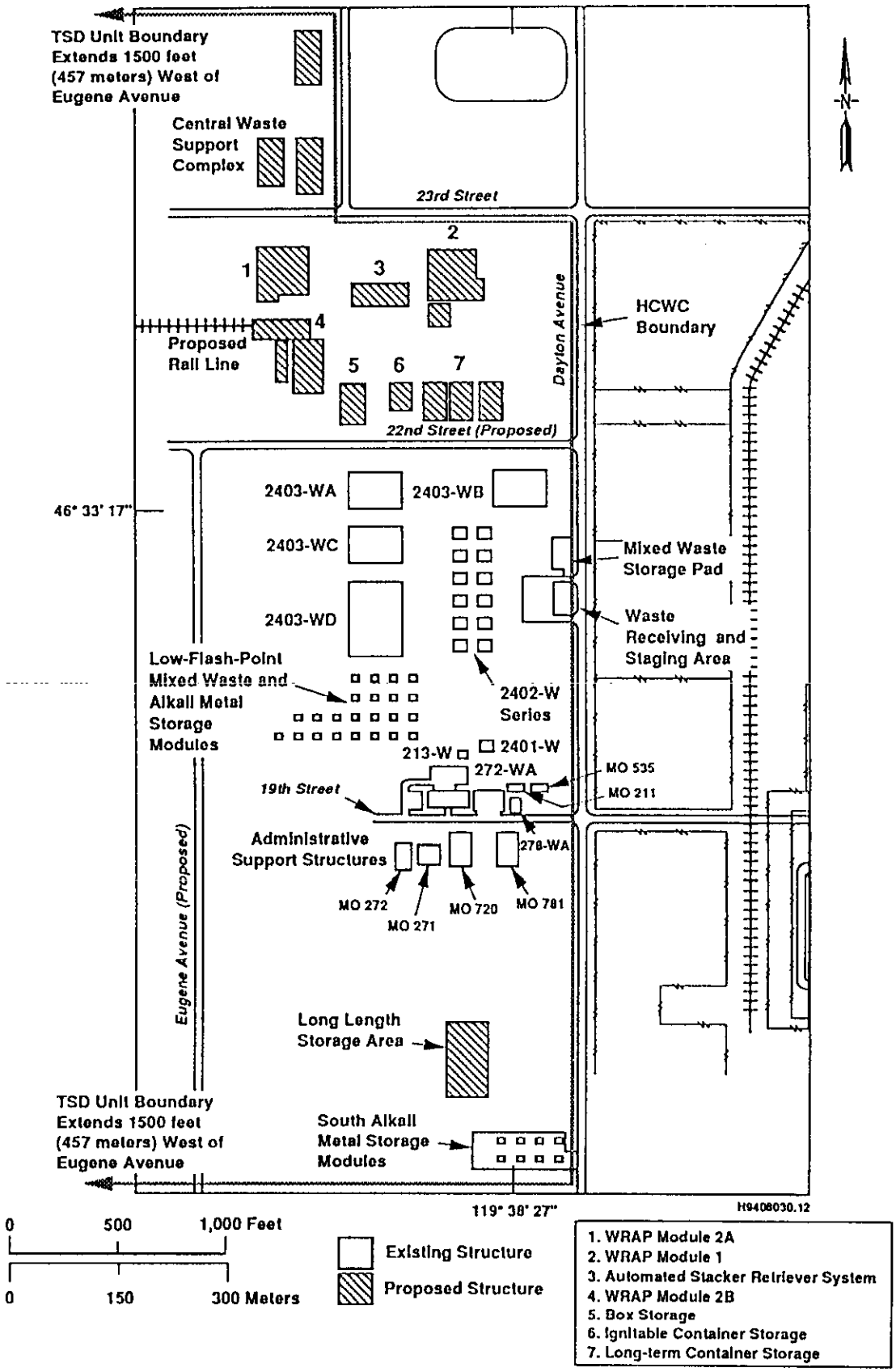
11/4/94
Date

A. LaMar Trego

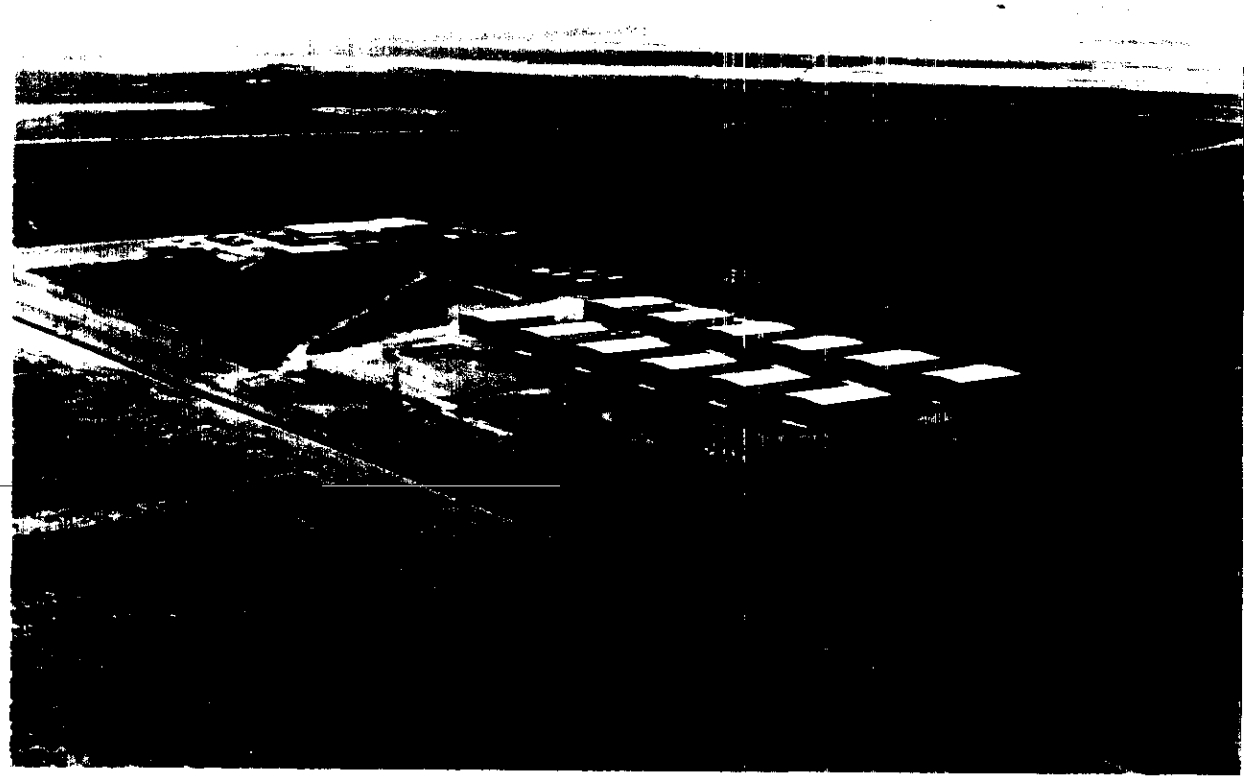
Co-operator
A. LaMar Trego, President
Westinghouse Hanford Company

9/20/94
Date

Hanford Central Waste Complex Site Plan



HANFORD CENTRAL WASTE COMPLEX AERIAL VIEW

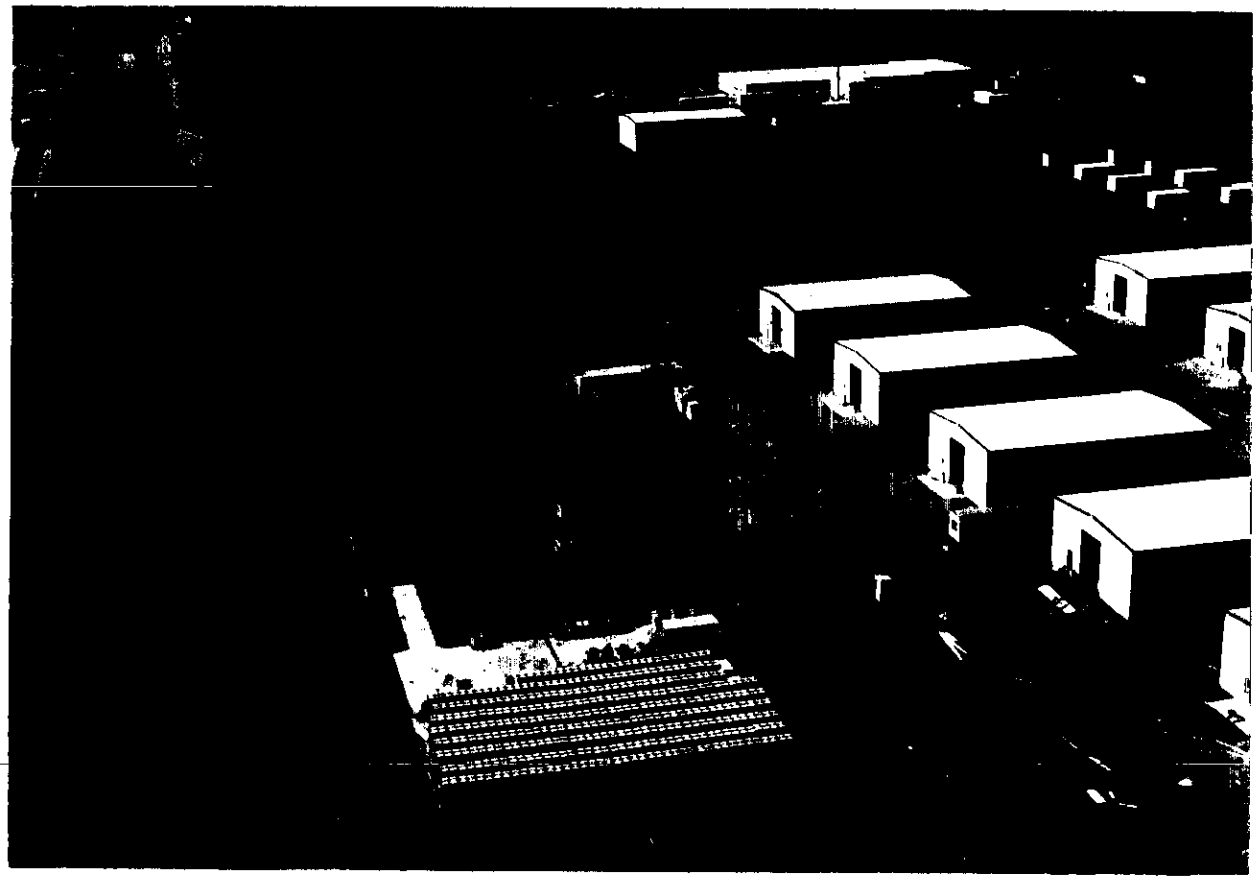


[Photograph does not reflect recent construction; HCWC Site Plan (Page 38 of 44) shows current site development.]

46°33'17"
119°38'27"

90041251-5CN
(PHOTO TAKEN 1990)

HANFORD CENTRAL WASTE COMPLEX AERIAL VIEW - WASTE UNLOADING AND STAGING AREA PAD AND MIXED WASTE STORAGE PAD

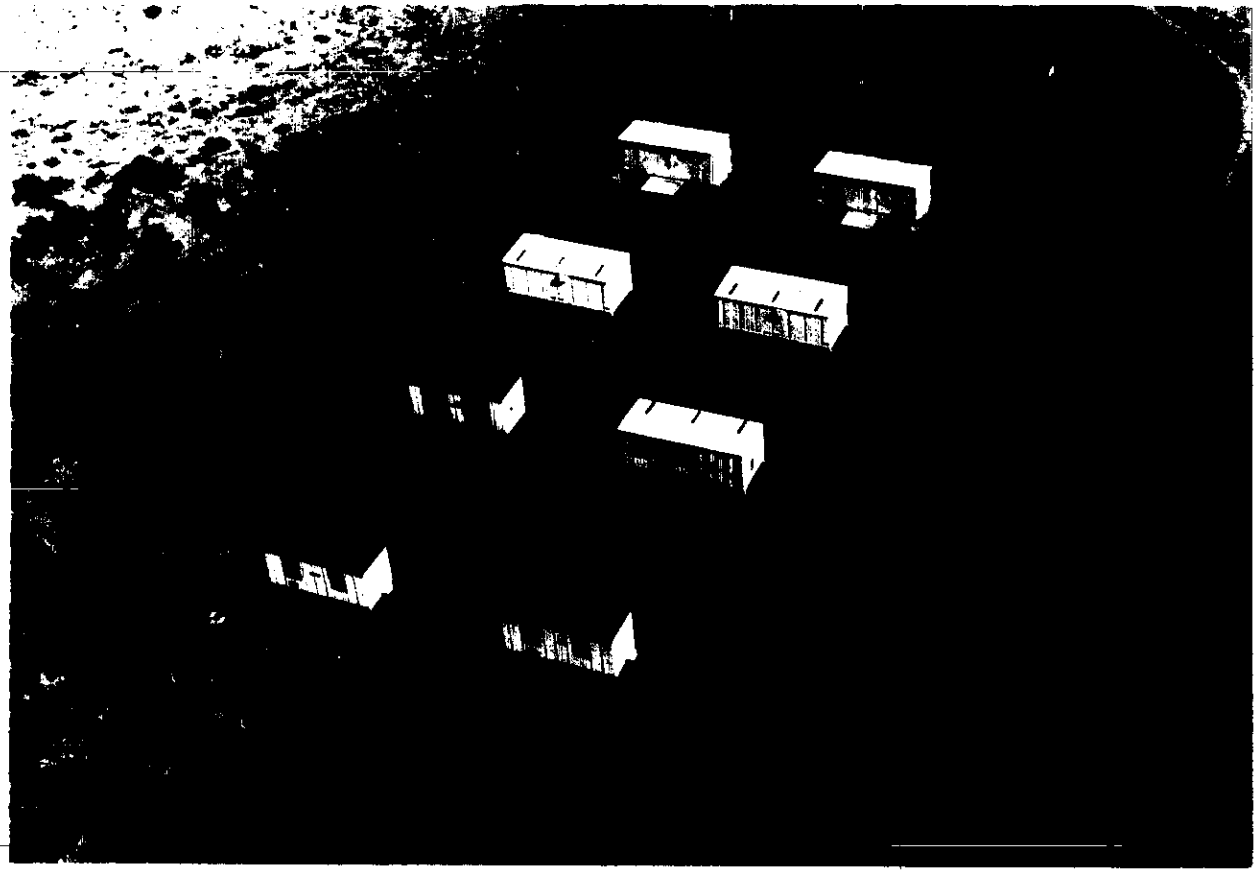


[Photograph does not reflect recent construction; HCWC Site Plan (Page 38 of 44) shows current site development.]

46°33'17"
119°38'27"

90060807-89CN
(PHOTO TAKEN 1990)

HANFORD CENTRAL WASTE COMPLEX AERIAL VIEW - LOW FLASH POINT STORAGE BUILDINGS

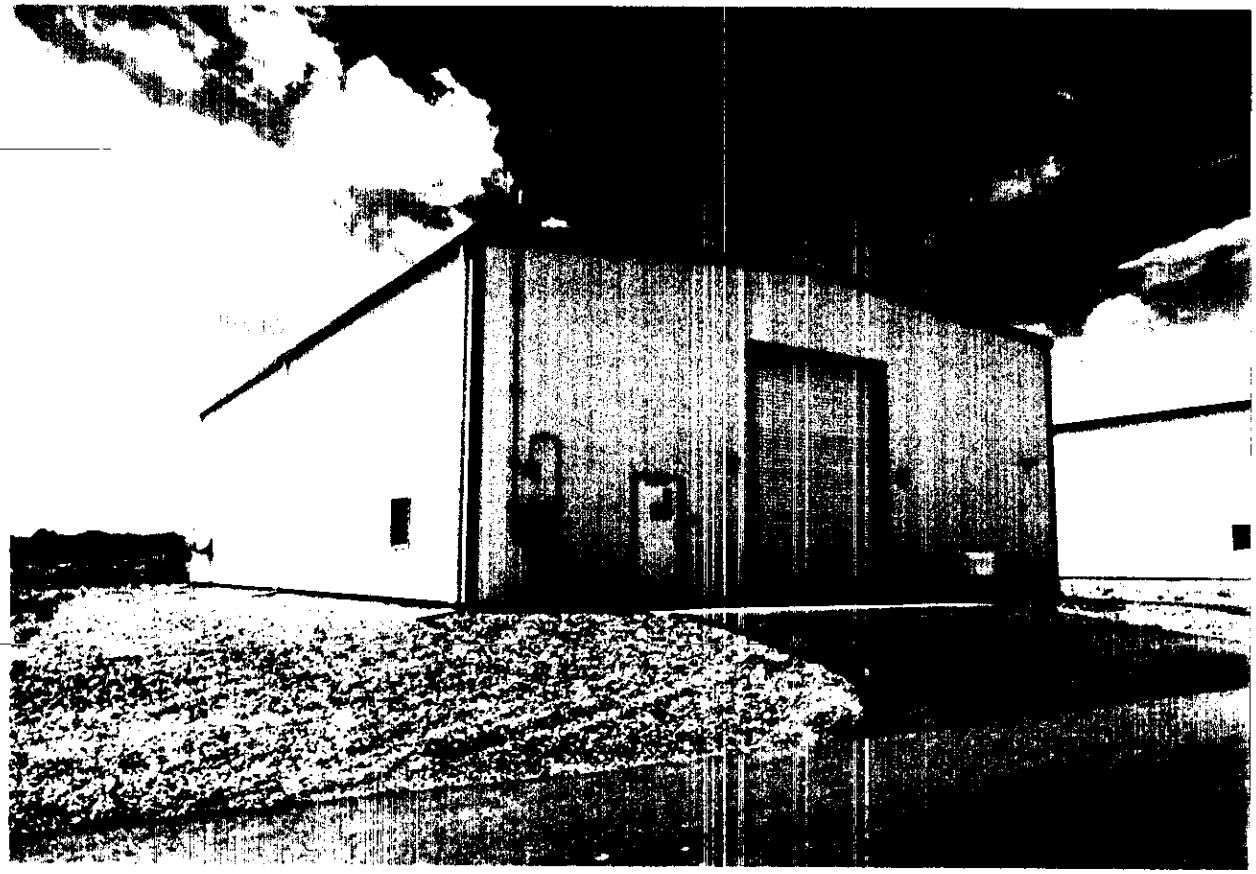


[Photograph does not reflect recent construction; HCWC Site Plan (Page 38 of 44) shows current site development.]

46°33'17"
119°38'27"

90060807-91CN
(PHOTO TAKEN 1990)

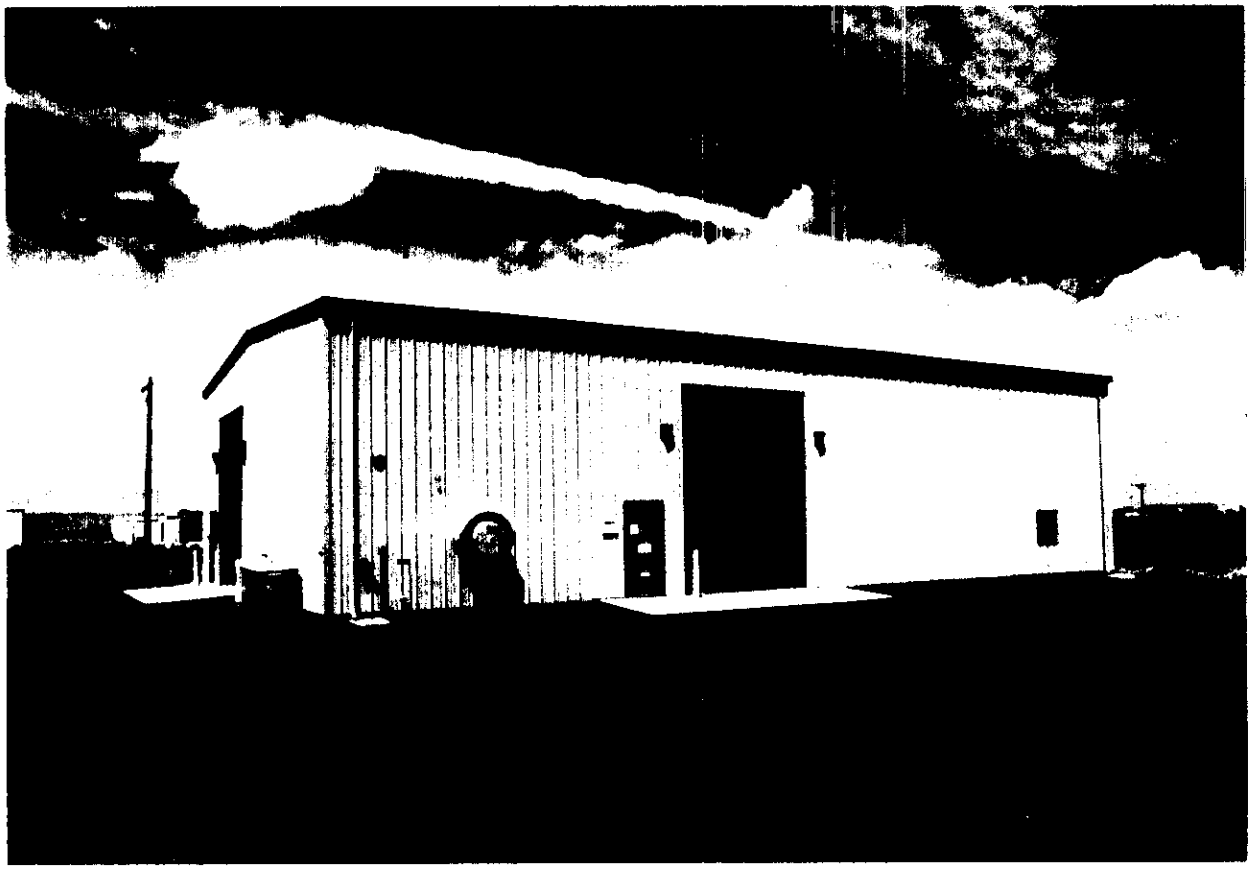
HANFORD CENTRAL WASTE COMPLEX MIXED WASTE STORAGE BUILDING - TYPICAL



46°33'17"
119°38'27"

90061110-26CN
(PHOTO TAKEN 1990)

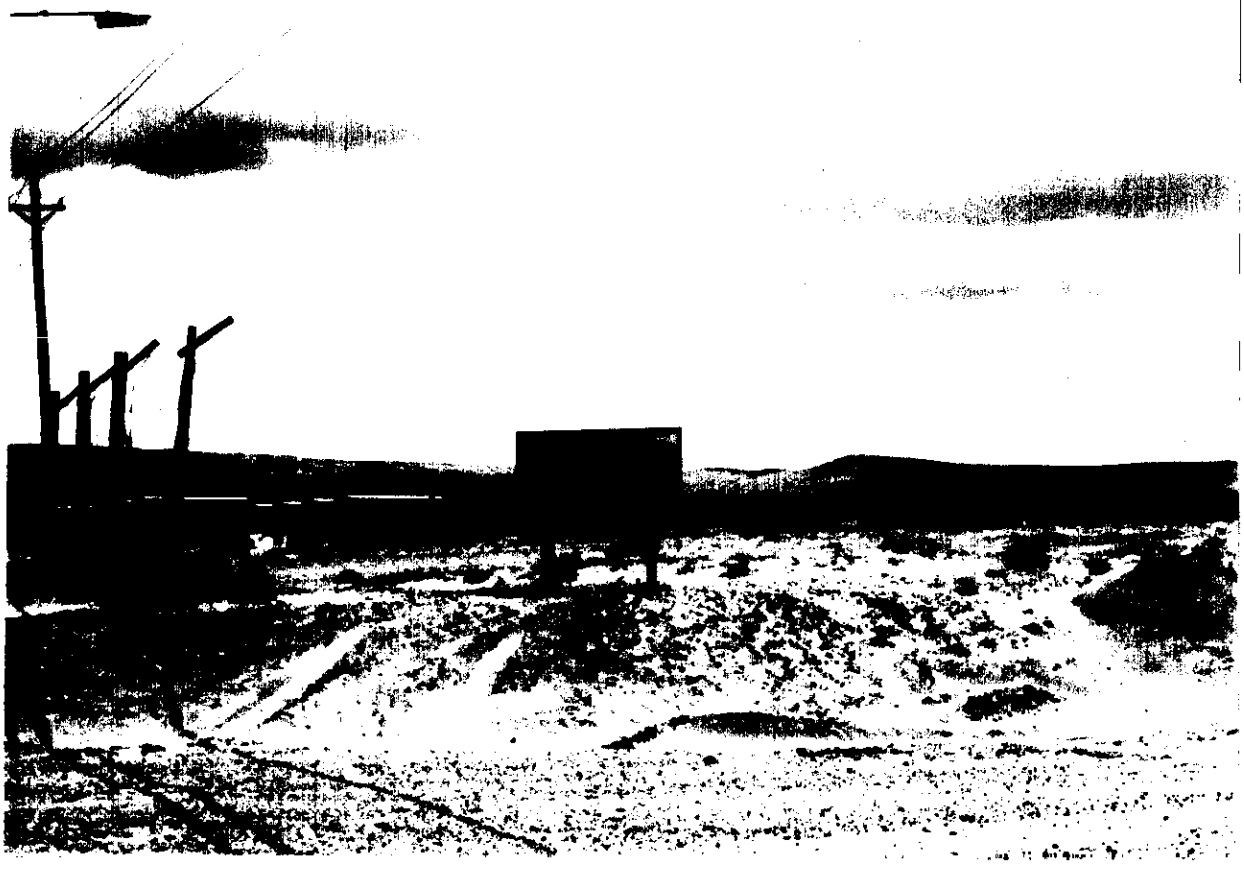
HANFORD CENTRAL WASTE COMPLEX
Pu/PCB STORAGE BUILDINGS



46°33'17"
119°38'27"

90061110-44CN
(PHOTO TAKEN 1990)

HANFORD CENTRAL WASTE COMPLEX WASTE RECEIVING AND PROCESSING FACILITY (WRAP) - PROPOSED VIEW



[Photograph does not reflect recent construction; HCWC Site Plan (Page 38 of 44) shows current site development.]

46°33'17"
119°38'27"

90061110-53CN
(PHOTO TAKEN 1990)

Please print or type in the unshaded areas only
(fill-in areas are spaced for elite type, i.e., 12 character/inch).

FORM 3

DANGEROUS WASTE PERMIT APPLICATION

1. EPA/STATE I.D. NUMBER: W A 7 8 9 0 0 0 8 9 6 7

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED *(mo., day, & yr.)*	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA/STATE I.D. Number, or if this is a revised application, enter your facility's EPA/STATE I.D. Number in Section I above.

A. FIRST APPLICATION *(place an "X" below and provide the appropriate date)*

☐ 1. EXISTING FACILITY *(See instructions for definition of "existing" facility. Complete item below.)*

FOR EXISTING FACILITIES, PROVIDE THE DATE *(mo., day, & yr.)* OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED *(use the boxes to the left)*

MO.	DAY	YR.
0 1		5 7

☐ 2. NEW FACILITY *(Complete item below)*

FOR NEW FACILITIES, PROVIDE THE DATE, *(mo., day, & yr.)* OPERATION BEGAN OR IS EXPECTED TO BEGIN

MO.	DAY	YR.

B. REVISED APPLICATION *(place an "X" below and complete Section I above)*

☒ 1. FACILITY HAS AN INTERIM STATUS PERMIT

☐ 2. FACILITY HAS A FINAL PERMIT

III. PROCESSES - CODES AND CAPACITIES

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process *(including its design capacity)* in the space provided on the *(Section III-C)*.

B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.

1. AMOUNT - Enter the amount.

2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER (barrel, drum, etc)	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D80	GALLONS OR LITERS
LANDFILL	D81	ACRE-FEET *(the volume that would cover one acre to a depth of one foot)* OR HECTARE-METER
LAND APPLICATION	D82	*ACRES OR HECTARES*
OCEAN DISPOSAL	D83	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D84	GALLONS OR LITERS

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Section III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G
LITERS	L
CUBIC YARDS	Y
CUBIC METERS	C
GALLONS PER DAY	U
LITERS PER DAY	V
TONS PER HOUR	D
METRIC TONS PER HOUR	W
GALLONS PER HOUR	E
LITERS PER HOUR	H
ACRE-FEET	A
HECTARE-METER	F
ACRES	B
HECTARES	Q

EXAMPLE FOR COMPLETING SECTION III *(shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons.* The facility also has an incinerator that can burn up to 20 gallons per hour.

LINE NUMBER	A. PROCESS CODE *(from list above)*	B. PROCESS DESIGN CAPACITY 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE *(from list above)*	B. PROCESS DESIGN CAPACITY 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY
X-1	S 0 2	600	G		5	T 0 4	1,000	U	
X-2	T 0 3	20	E		6	S 0 5	46,000	Y	
1	S 0 2	77,400	G		7				
2	T 0 1	14,000	U		8				
3	T 0 4	2	D		9				
4	S 0 1	200,000	G		10				

CONTINUE ON REVERSE

Continued from the front.

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

REFER TO ATTACHED

IV. DESCRIPTION OF DANGEROUS WASTES

A. DANGEROUS WASTE NUMBER - Enter the four digit number from Chapter 173-303 WAC for each listed dangerous waste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic contaminants of those dangerous wastes.

B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE
POUNDS	P
TONS	T

METRIC UNIT OF MEASURE	CODE
KILOGRAMS	K
METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed dangerous waste: For each listed dangerous waste entered in column A select the code(s) from the list of process codes contained in Section III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

1. Select one of the Dangerous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other Dangerous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other Dangerous Waste Number that can be used to describe the dangerous waste.

EXAMPLE FOR COMPLETING SECTION IV *(shown in line numbers X-1, X-2, X-3, and X-4 below)* - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2			T 0 3 D 8 0	included with above

III. C., PROCESSES

The T Plant Complex (T Plant) is located in the 200 West Area of the Hanford Facility and consists of two structures, the 221-T Building (221-T) and the 2706-T Building (2706-T), and various support structures and/or storage pads within T Plant. The 221-T and 2706-T buildings are used for the storage (tank, container, and miscellaneous equipment) and treatment (tank, container, and decontamination activities) of mixed waste before transfer to the Double-Shell Tank (DST) System and/or the Central Waste Complex (CWC). The various support structures and/or storage pads are used for storage and treatment of mixed and/or dangerous waste until processed and transferred to the CWC and/or the 616 Nonradioactive Dangerous Waste Storage Facility (616 NRDWSF). The storage buildings located outside the 2706-T Building also are used to store containerized mixed and/or dangerous waste until transferred to the CWC and/or 616 NRDWSF. The following are the storage and treatment processes for T Plant.

S02

Liquid mixed waste from decontamination activities within the 221-T is transferred to a tank system consisting of five stainless steel storage tanks: tank 5-6 [4,600 gallons (17,400 liters) design capacity], tank 5-7 [10,000 gallons (38,000 liters) design capacity], tank 5-9 [4,800 gallons (18,200 liters) design capacity], tank 11-R [14,000 gallons (53,000 liters) design capacity], and tank 15-1 [14,000 gallons (53,000 liters) design capacity] located in reinforced concrete cells within 221-T. Tanks 5-6, 5-7, 5-9, and 11-R are used for secondary storage of liquid mixed waste and tank 15-1 is used for primary storage of liquid mixed waste. The maximum storage process design capacity of the five storage tanks is 47,400 gallons (179,600 liters).

Liquid mixed waste from decontamination activities at the 2706-T currently is transferred by underground pipeline to the 221-T tank system for storage until transferred to the DST System. In a future process, the liquid mixed waste from the decontamination activities at 2706-T will be stored in two proposed double-walled stainless steel tanks that will be located on the northside of 2706-T. The underground pipeline to the 221-T tank system will be used as a backup for these proposed storage tanks. Each 2706-T tank will have a process design capacity of 15,000 gallons (57,000 liters) for a maximum storage process design capacity of 30,000 gallons (114,000 liters).

The maximum storage process design capacity for the liquid mixed waste storage tanks at the 221-T and 2706-T is 77,400 gallons (293,600 liters).

T01

The liquid mixed waste stored in the 221-T (tank 15-1) normally is transferred by railroad car to the DST System. If the liquid mixed waste is transferred by underground pipelines, tank 15-1 is used to treat the liquid mixed waste to a pH greater than 12.0 before transfer to the DST System. This treatment process makes the liquid mixed waste more amenable for storage in the DST System. The maximum treatment process design capacity for tank 15-1 is 14,000 gallons (53,000 liters) per day.

III. C., PROCESSES (Continued)

T04

The decontamination activities (treatment) are performed within the following structures within T Plant.

The decontamination activities occur in 221-T in equipment referred to as thimbles and troughs, which are located in the canyon on the cell blocks over cells 11-R and 15-R. There are three stainless steel thimbles: thimble 1 is a 2,000 gallon (7,600 liter) open top tank with a tube section recessed through the cover block over cell 11-R; thimble 2 is a 300 gallon (1,200 liter) square open top tank with a tube section recessed in the cover block over cell 15-R; and thimble 3 is a 332 gallon (1,300 liter) open top tank with a tube section recessed in the cover block over cell 15-R. There are three stainless steel rectangular troughs: trough 1 is 18 feet (5.5 meters) long by 2 feet (0.6 meter) wide by 3 feet (0.9 meter) high; trough 2 is 8 feet (2.4 meters) long by 4 feet (1.2 meters) wide by 4 feet (1.2 meters) high; and trough 3 is 12 feet (3.7 meters) long by 8 feet (2.4 meters) wide by 4 feet (1.2 meters) high. The decontamination activities consist of decontaminating process equipment (i.e., pipelines, jumpers), various pieces of equipment (i.e., pumps, motors, damaged tools, etc.), and other discarded materials for recycle or disposal on the Hanford Facility. The decontamination process consists of placing equipment in the thimbles, troughs, or designated areas on the canyon deck and using air, steam, water, chemicals, and/or other methods to remove the contamination. The liquid mixed waste generated by this process is transferred to the 221-T tank system and then to the DST System. Solid mixed waste generated by this decontamination process (i.e., air blasting) is placed in U.S. Department of Transportation-approved containers for storage until transferred to the CWC.

The decontamination activities in the 2706-T occur over railroad and automotive pits located within the building. The railroad pit is 55 feet (16.9 meters) long by 17 feet (5.2 meters) wide by 6 feet (1.8 meters) deep. The automotive pit is 30 feet (9.1 meters) long by 4 feet (1.2 meters) wide by 6 feet (1.8 meters) deep. The 2706-T is used to decontaminate railroad equipment, buses, trucks, automobiles, cranes, earth moving equipment, and large pieces of plant process equipment by using air, steam, water, chemicals, and/or other methods to remove the contamination. The liquid mixed waste generated by this process is collected in the railroad pit, transferred to the 221-T tank system, and then to the DST System. Solid mixed waste generated by this decontamination process (i.e., air blasting) is placed in U.S. Department of Transportation-approved containers for storage until transfer to the CWC.

The maximum treatment process design capacity for 221-T and 2706-T is 2 tons (1.8 metric tons) per hour.

III. C., PROCESSES (Continued)

S01, T04

The storage and treatment of the dry and liquid mixed and/or dangerous waste in various sized containers will occur in the railroad tunnel, on the canyon deck and in various cells within the 221-T, and in support structures and/or storage pads located within the boundaries of T Plant. Container storage capability at T Plant is required because of the need to complete laboratory analysis and characterization of mixed and/or dangerous waste samples before transferring the waste containers to the CWC and/or 616 NRDWSF. The treatment capability is needed in the event that it is necessary to add adsorbent or neutralize the contents of a container before transfer.

The maximum storage process design capacity is 200,000 gallons (758,000 liters) and the maximum treatment process design capacity is 1,000 gallons (3,800 liters) per day.

S05

The designation S05 (storage miscellaneous) is used to indicate that solid mixed waste stored on the canyon deck and in various cells is considered to be stored in a containment building subject to the requirements of 40 CFR 265, Subpart DD, rather than a waste pile subject to the requirements of 40 CFR 265, Subpart L. The solid mixed waste consists of low-level process equipment, jumpers, and various other materials that has the potential to go through the decontamination process.

The maximum storage process design capacity on the canyon deck and in the cells is 46,000 cubic yards (35,200 cubic meters).

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	D001	279,000,000	P	S02 T01 T04	Storage-Tank/Treatment-Tank-Other
2	D002				(Decontamination Activities)
3	D003				
4	D004				
5	D005				
6	D006				
7	D007				
8	D008				
9	D009				
10	D010				
11	D011				
12	D018				
13	D019				
14	D022				
15	D028				
16	D029				
17	D030				
18	D033				
19	D034				
20	D035				
21	D036				
22	D038				
23	D039				
24	D040				
25	D041				
26	D043				

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NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	WT01		P	S02 T01 T04	Storage-Tank/Treatment-Tank-Other
2	WT02				(Decontamination Activities)(Cont.)
3	WC02				
4	WP01				
5	WP02				
6	F001				
7	F002				
8	F003				
9	F004				
10	F005				
11	F039				Included With Above
12	D001	2,000,000	P	S01 T04	Storage-Container/Treatment-Other
13	D002				
14	D003				
15	D004				
16	D005				
17	D006				
18	D007				
19	D008				
20	D009				
21	D010				
22	D011				
23	D012				
24	D016				
25	D018				
26	D019				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	D020		P	S01 T04	Storage-Container/Treatment-Other
2	D021				(Continued)
3	D022				
4	D023				
5	D024				
6	D025				
7	D026				
8	D027				
9	D028				
10	D029				
11	D030				
12	D031				
13	D032				
14	D033				
15	D034				
16	D035				
17	D036				
18	D037				
19	D038				
20	D039				
21	D040				
22	D041				
23	D042				
24	D043				
25	WT01				
26	WT02				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	WC02		P	S01 T04	Storage-Container/Treatment-Other
2	WP01				(Continued)
3	WP02				
4	WP03				
5	W001				
6	F001				
7	F002				
8	F003				
9	F004				
10	F005				
11	F020				
12	F021				
13	F022				
14	F023				
15	F026				
16	F027				
17	F028				
18	F039				
19	U001				
20	U002				
21	U003				
22	U004				
23	U005				
24	U006				
25	U007				
26	U008				

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NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U009		P	S01 T04	Storage-Container/Treatment-Other
2	U010				(Continued)
3	U011				
4	U012				
5	U014				
6	U015				
7	U016				
8	U017				
9	U018				
10	U019				
11	U020				
12	U021				
13	U022				
14	U023				
15	U024				
16	U025				
17	U026				
18	U027				
19	U028				
20	U029				
21	U030				
22	U031				
23	U032				
24	U033				
25	U034				
26	U035				

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NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U036		P	S01 T04	Storage-Container/Treatment-Other
2	U037				(Continued)
3	U038				
4	U039				
5	U041				
6	U042				
7	U043				
8	U044				
9	U045				
10	U046				
11	U047				
12	U048				
13	U049				
14	U050				
15	U051				
16	U052				
17	U053				
18	U055				
19	U056				
20	U057				
21	U058				
22	U059				
23	U060				
24	U061				
25	U062				
26	U063				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U064		P	S01 T04	Storage-Container/Treatment-Other
2	U066				(Continued)
3	U067				
4	U068				
5	U069				
6	U070				
7	U071				
8	U072				
9	U073				
10	U074				
11	U075				
12	U076				
13	U077				
14	U078				
15	U079				
16	U080				
17	U081				
18	U082				
19	U083				
20	U084				
21	U085				
22	U086				
23	U087				
24	U088				
25	U089				
26	U090				

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NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U091		P	S01 T04	Storage-Container/Treatment-Other
2	U092				(Continued)
3	U093				
4	U094				
5	U095				
6	U096				
7	U097				
8	U098				
9	U101				
10	U102				
11	U107				
12	U108				
13	U112				
14	U113				
15	U116				
16	U117				
17	U118				
18	U119				
19	U120				
20	U123				
21	U124				
22	U134				
23	U136				
24	U137				
25	U140				
26	U145				

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NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U146		P	S01 T04	Storage-Container/Treatment-Other
2	U148				(Continued)
3	U149				
4	U150				
5	U151				
6	U152				
7	U153				
8	U154				
9	U155				
10	U156				
11	U157				
12	U158				
13	U159				
14	U160				
15	U161				
16	U162				
17	U163				
18	U164				
19	U165				
20	U166				
21	U167				
22	U168				
23	U169				
24	U170				
25	U171				
26	U172				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U173		P	S01 T04	Storage-Container/Treatment-Other
2	U174				(Continued)
3	U176				
4	U177				
5	U178				
6	U179				
7	U180				
8	U181				
9	U182				
10	U183				
11	U184				
12	U185				
13	U186				
14	U187				
15	U188				
16	U189				
17	U190				
18	U191				
19	U192				
20	U193				
21	U194				
22	U196				
23	U197				
24	U200				
25	U201				
26	U202				

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NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U203		P	S01 T04	Storage-Container/Treatment-Other
2	U204				(Continued)
3	U205				
4	U206				
5	U207				
6	U208				
7	U209				
8	U210				
9	U211				
10	U212				
11	U213				
12	U214				
13	U215				
14	U216				
15	U217				
16	U218				
17	U219				
18	U220				
19	U221				
20	U222				
21	U223				
22	U225				
23	U226				
24	U227				
25	U228				
26					

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U232		P	S01 T04	Storage-Container/Treatment-Other
2	U233				(Continued)
3	U234				
4	U235				
5	U236				
6	U237				
7	U238				
8	U239				
9	U240				
10	U243				
11	U244				
12	U245				
13	U246				
14	U247				
15	U248				
16	U249				
17	U328				
18	U353				
19	U359				
20	P001				
21	P002				
22	P003				
23	P004				
24	P005				
25	P006				
26	P007				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	P008		P	S01 T04	Storage-Container/Treatment-Other
2	P009				(Continued)
3	P010				
4	P011				
5	P012				
6	P013				
7	P014				
8	P015				
9	P016				
10	P017				
11	P018				
12	P020				
13	P021				
14	P022				
15	P023				
16	P024				
17	P026				
18	P027				
19	P028				
20	P029				
21	P030				
22	P031				
23	P033				
24	P034				
25	P036				
26	P037				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	P038		P	S01 T04	Storage-Container/Treatment-Other
2	P039				(Continued)
3	P040				
4	P041				
5	P042				
6	P043				
7	P044				
8	P045				
9	P046				
10	P047				
11	P048				
12	P049				
13	P050				
14	P051				
15	P054				
16	P056				
17	P057				
18	P058				
19	P059				
20	P060				
21	P062				
22	P063				
23	P064				
24	P065				
25	P066				
26	P067				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	P068		P	S01 T04	Storage-Container/Treatment-Other
2	P069				(Continued)
3	P070				
4	P071				
5	P072				
6	P073				
7	P074				
8	P075				
9	P076				
10	P077				
11	P078				
12	P081				
13	P082				
14	P084				
15	P085				
16	P087				
17	P088				
18	P089				
19	P092				
20	P093				
21	P094				
22	P095				
23	P096				
24	P097				
25	P098				
26	P099				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	P101		P	S01 T04	Storage-Container/Treatment-Other
2	P102				(Continued)
3	P103				
4	P104				
5	P105				
6	P106				
7	P107				
8	P108				
9	P109				
10	P110				
11	P111				
12	P112				
13	P113				
14	P114				
15	P115				
16	P116				
17	P118				
18	P119				
19	P120				
20	P121				
21	P122				
22	P123				Included With Above
23	D001	10,000	P	S05	Storage-Miscellaneous
24	D002				(Containment Building)
25	D003				
26	D004				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	D005		P	S05	Storage-Miscellaneous
2	D006				(Containment Building)(Continued)
3	D007				
4	D008				
5	D009				
6	D010				
7	D011				
8	D018				
9	D019				
10	D022				
11	D028				
12	D029				
13	D030				
14	D033				
15	D034				
16	D035				
17	D036				
18	D038				
19	D039				
20	D040				
21	D041				
22	D043				
23	WT01				
24	WT02				
25	WC02				
26	WP01				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	WP02		P	S05	Storage-Miscellaneous
2	F001				(Containment Building)(Continued)
3	F002				
4	F003				
5	F004				
6	F005				
7	F039				Included With Above
8					
9					
10					
11					
12					
13					
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22					
23					
24					
25					
26					

Continued from the front.

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM SECTION D(1) ON PAGE 3.

The T Plant Complex is used for the storage and treatment of mixed waste and/or dangerous waste. The mixed waste is transferred to the Double-Shell Tank System and/or Central Waste Complex. The dangerous waste is transferred to the 616 Nonradioactive Dangerous Waste Storage Facility.

The dangerous waste numbers identified in Section IV.A. are associated with mixed and/or dangerous waste that could be stored and/or treated at T Plant. The mixed and/or dangerous waste consists of listed waste, characteristic waste, waste from nonspecific sources, toxicity characteristic waste, and state-only waste (extremely hazardous and dangerous waste). Multi-source leachate (F039) is included as a waste derived from nonspecific source wastes F001 through F005.

The estimated annual quantities of mixed waste listed for S01, S02, S05, T01, and T04 and dangerous waste for S01 and T04 represent the maximum quantities of dry and liquid waste that could be stored and treated at T Plant. Future operations might necessitate an increase in excess of these estimates and a revision could be pursued as required by the dangerous waste regulations.

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility *(see instructions for more detail)*.

VI. PHOTOGRAPHS

All existing facilities must include photographs *(aerial or ground-level)* that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas *(see instructions for more detail)*.

VII. FACILITY GEOGRAPHIC LOCATION This information is provided on the attached drawings and photos.

LATITUDE *(degrees, minutes, & seconds)*	LONGITUDE *(degrees, minutes, & seconds)*

VIII. FACILITY OWNER

[X] A. If the facility owner is also the facility operator as listed in Section VII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER	2. PHONE NO. *(area code & no.)*

3. STREET OR P.O. BOX	4. CITY OR TOWN	5. ST.	6. ZIP CODE

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME *(print or type)*	SIGNATURE	DATE SIGNED
John D. Wagoner, Manager U.S. Department of Energy Richland Operations Office	John D. Wagoner	11/4/94

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME *(print or type)*	SIGNATURE	DATE SIGNED
SEE ATTACHMENT		

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

John D. Wagoner — 11/4/94

Owner/Operator
John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office

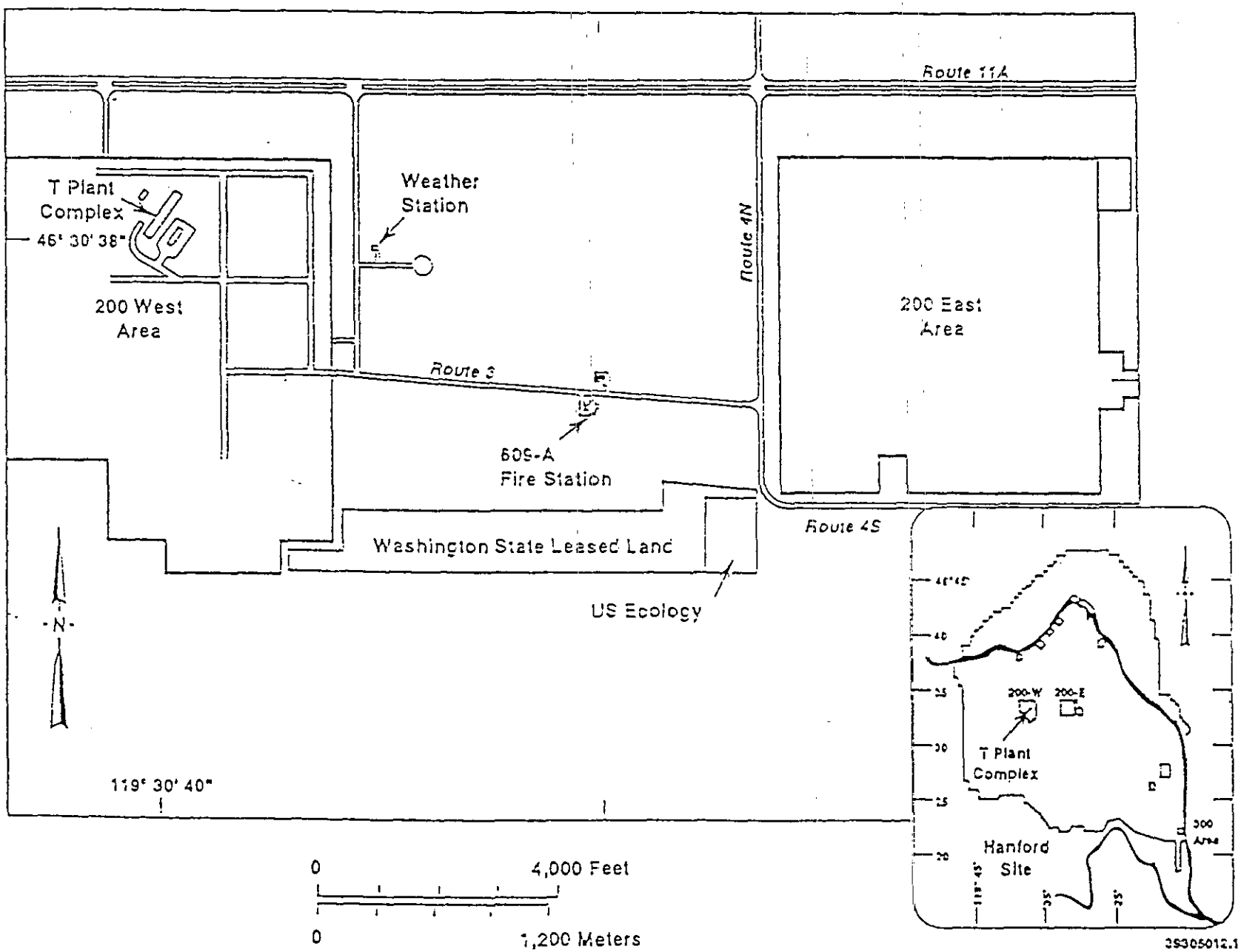
Date

A. LaMar Trego — 9/20/94

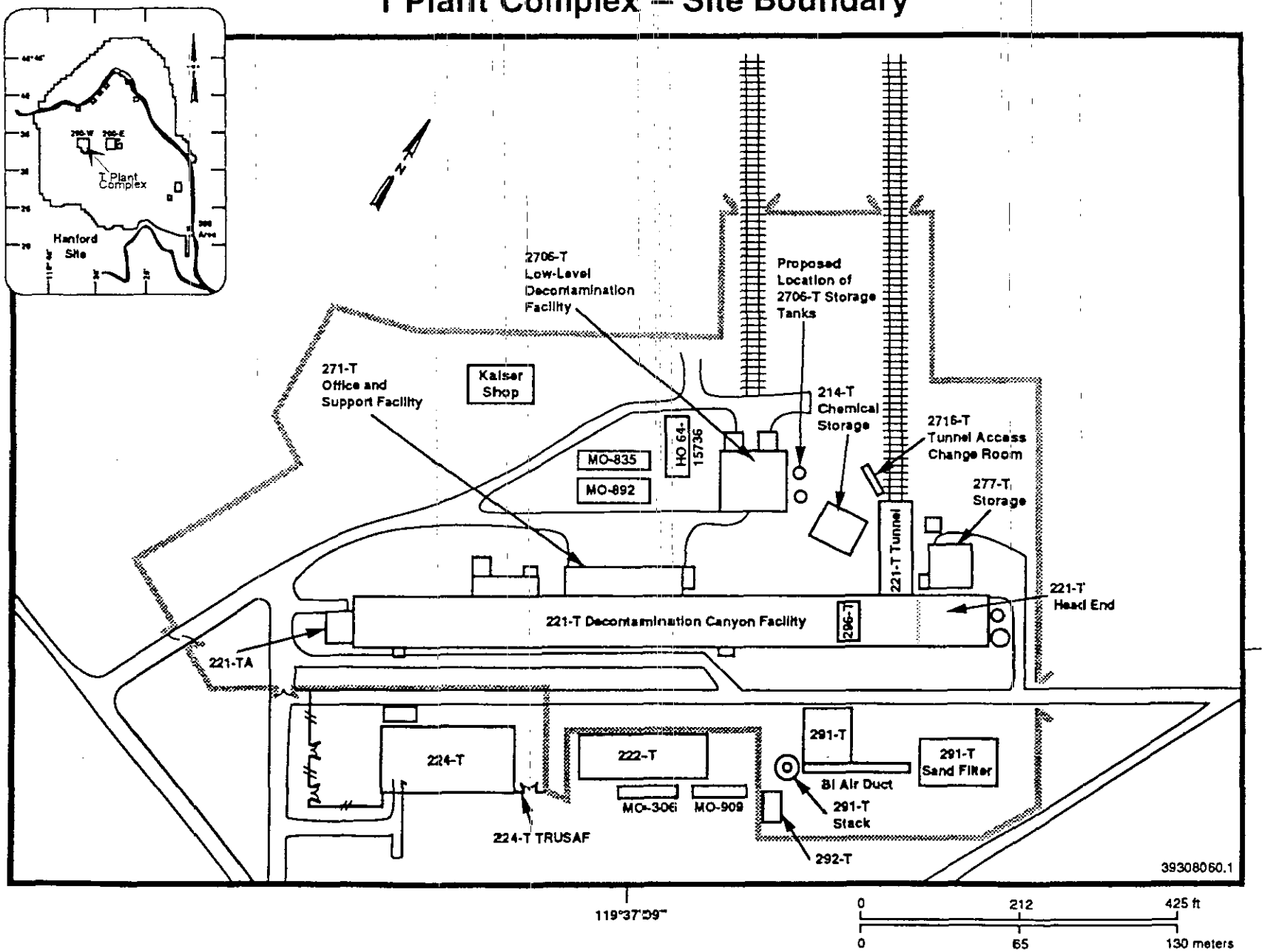
Co-operator
A. LaMar Trego, President
Westinghouse Hanford Company

Date

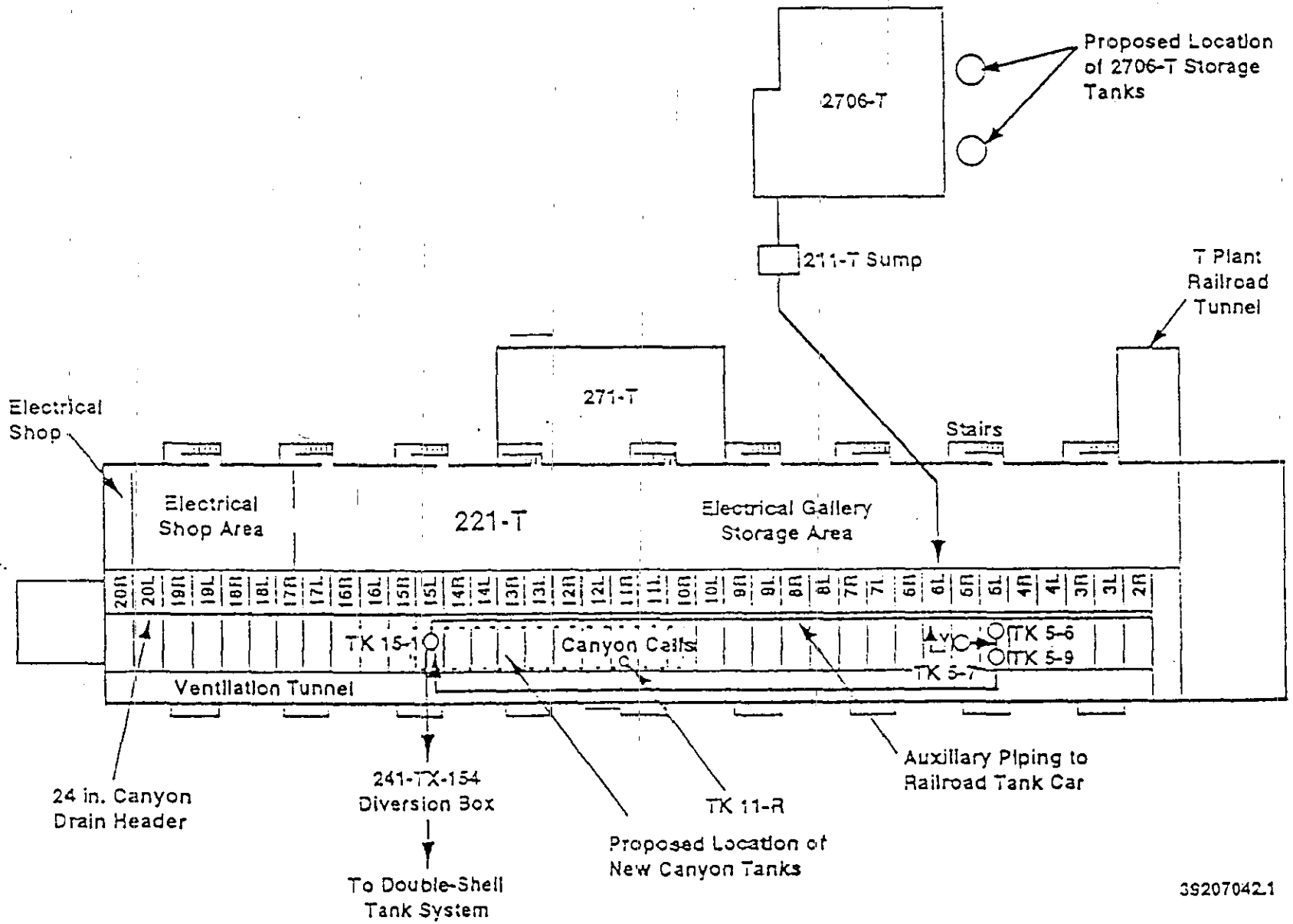
T PLANT COMPLEX SITE PLAN



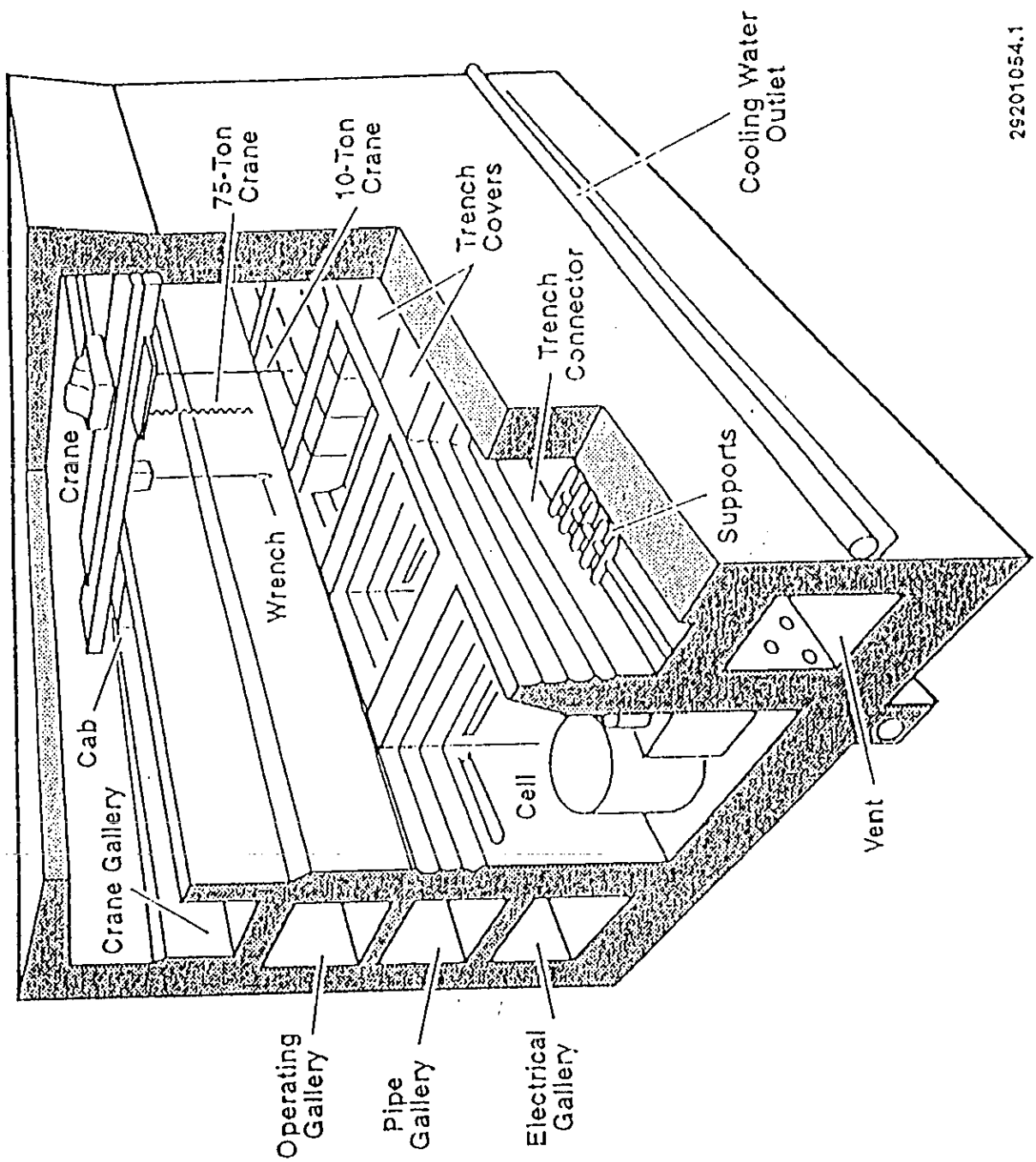
T Plant Complex – Site Boundary



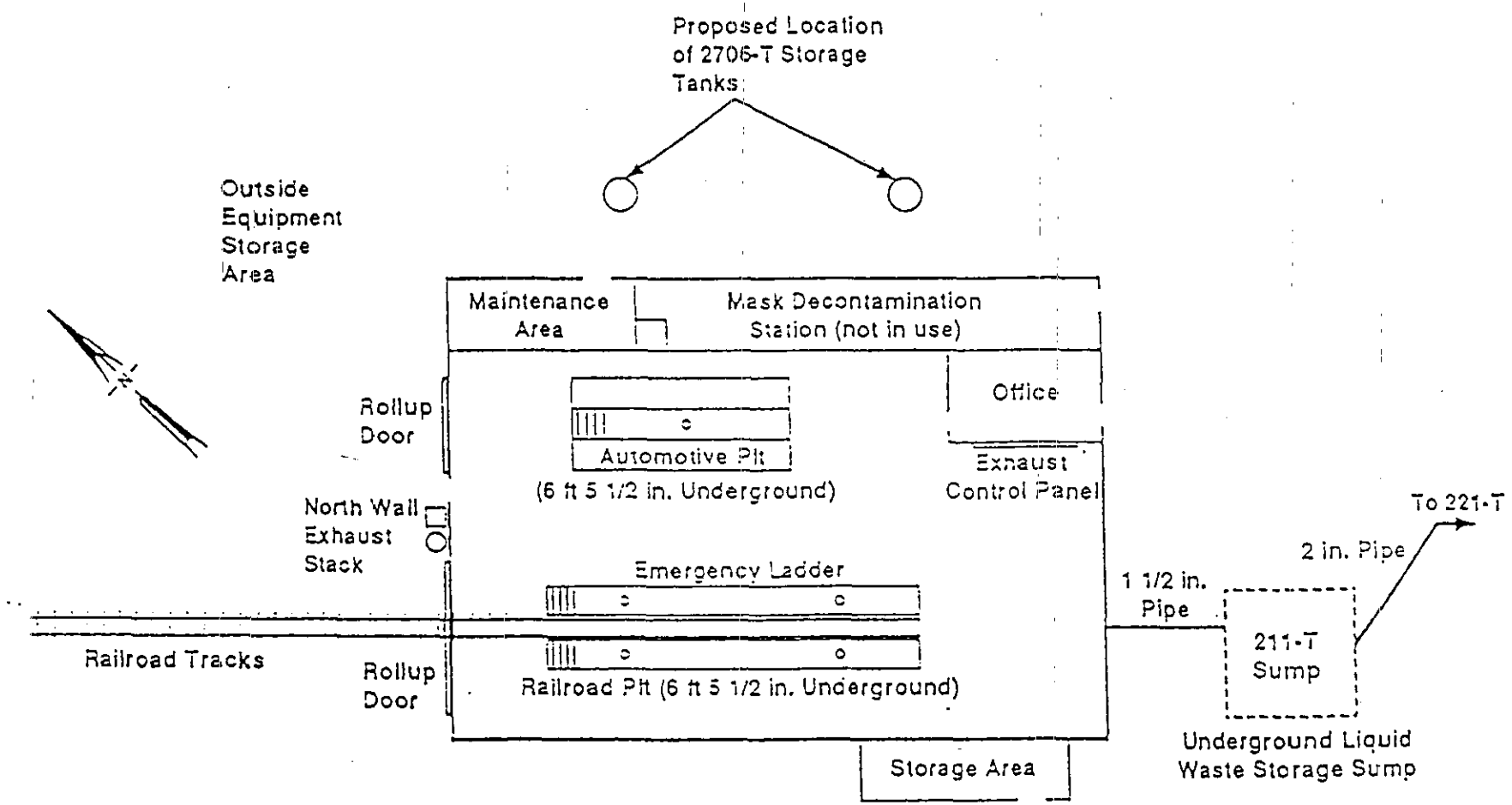
T PLANT COMPLEX - 221-T SITE PLAN



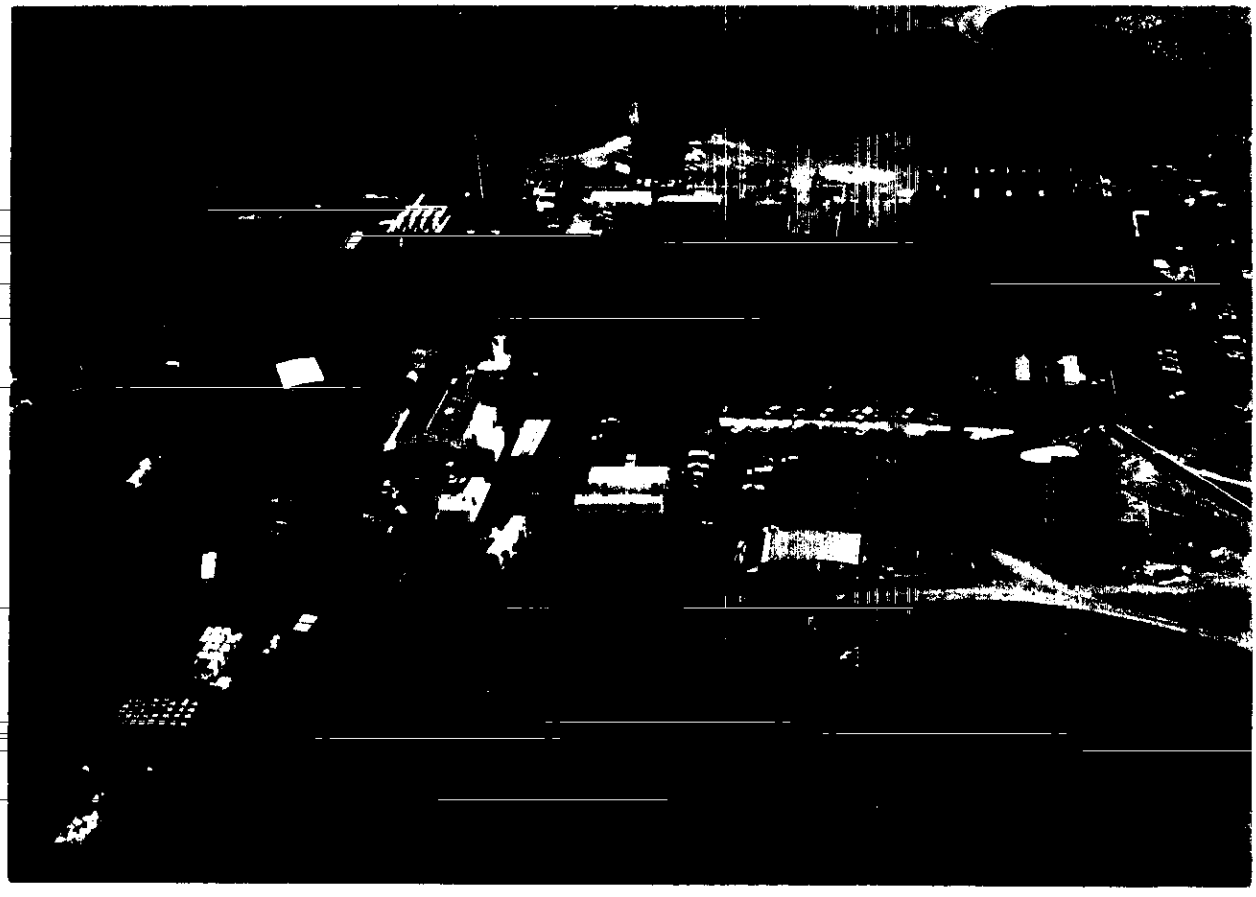
T PLANT COMPLEX - 221-T CUTAWAY



T PLANT COMPLEX - 2706-T SITE PLAN



T PLANT COMPLEX
AERIAL VIEW

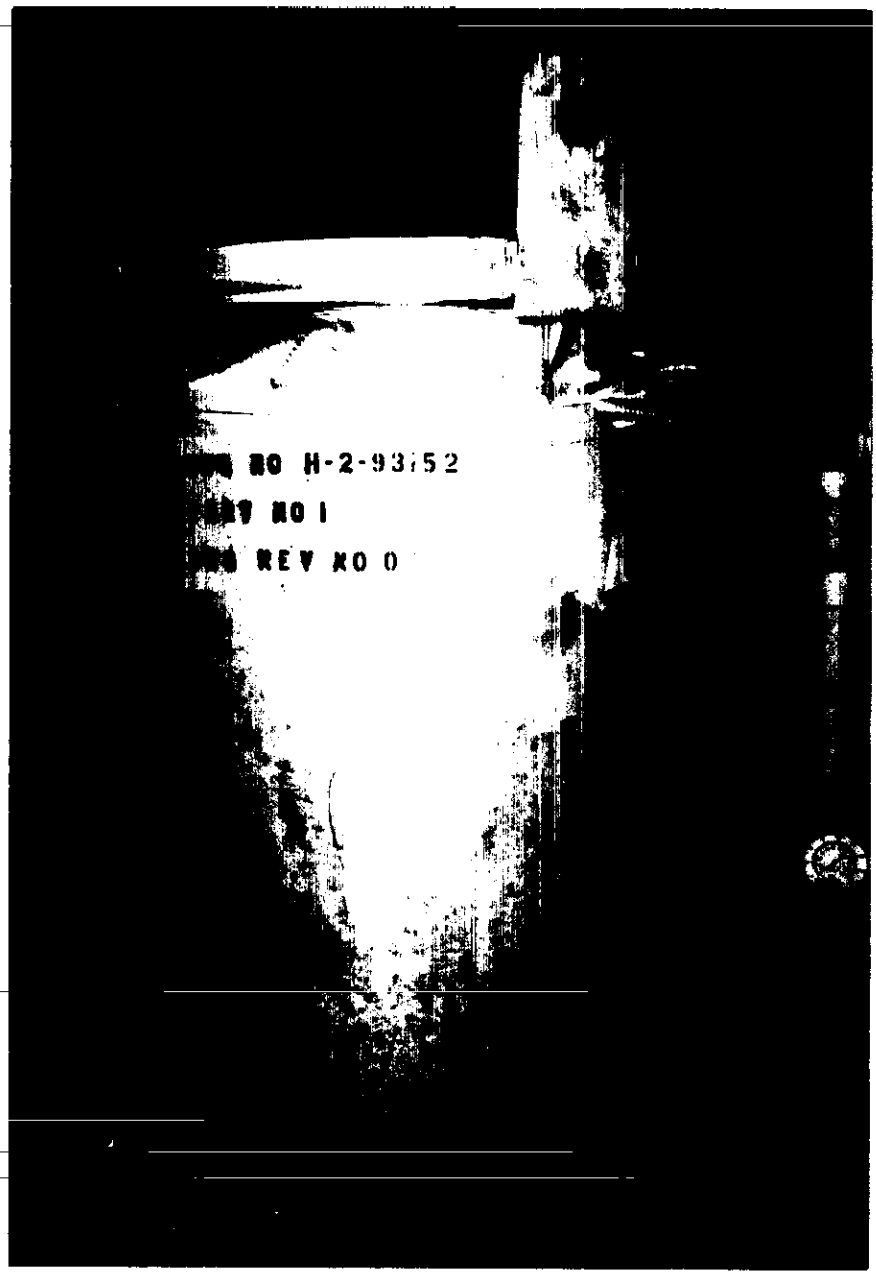


221-T BUILDING

46°30'38"
119°30'40"

93030994-122CN
(PHOTO TAKEN 1993)

T PLANT COMPLEX
221-T BUILDING



TYPICAL THIMBLE

46°30'38"

93051132-3CN

T PLANT COMPLEX
221-T BUILDING

TYPICAL THIMBLE INTERNAL VIEW

46°30'38"
119°30'40"

93051473-9CN
(PHOTO TAKEN 1993)

T PLANT COMPLEX
221-T BUILDING

TYPICAL TROUGH

46°30'38"
119°30'40"

93060740-10CN
(PHOTO TAKEN 1993)

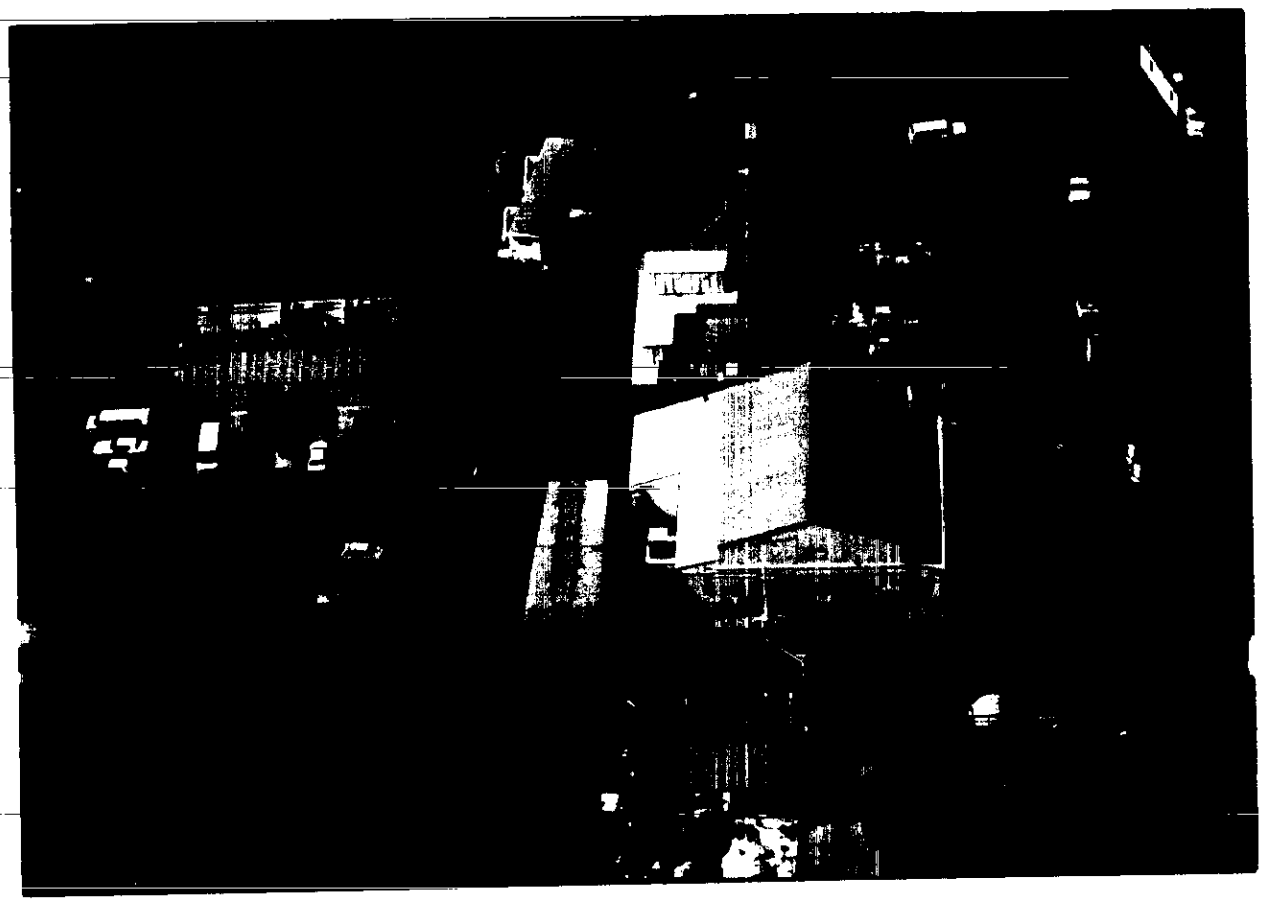
T PLANT COMPLEX
221-T BUILDING

CANYON DECK

46°30'38"
119°30'40"

93051132-8CN
(PHOTO TAKEN 1993)

T PLANT COMPLEX
2706-T BUILDING

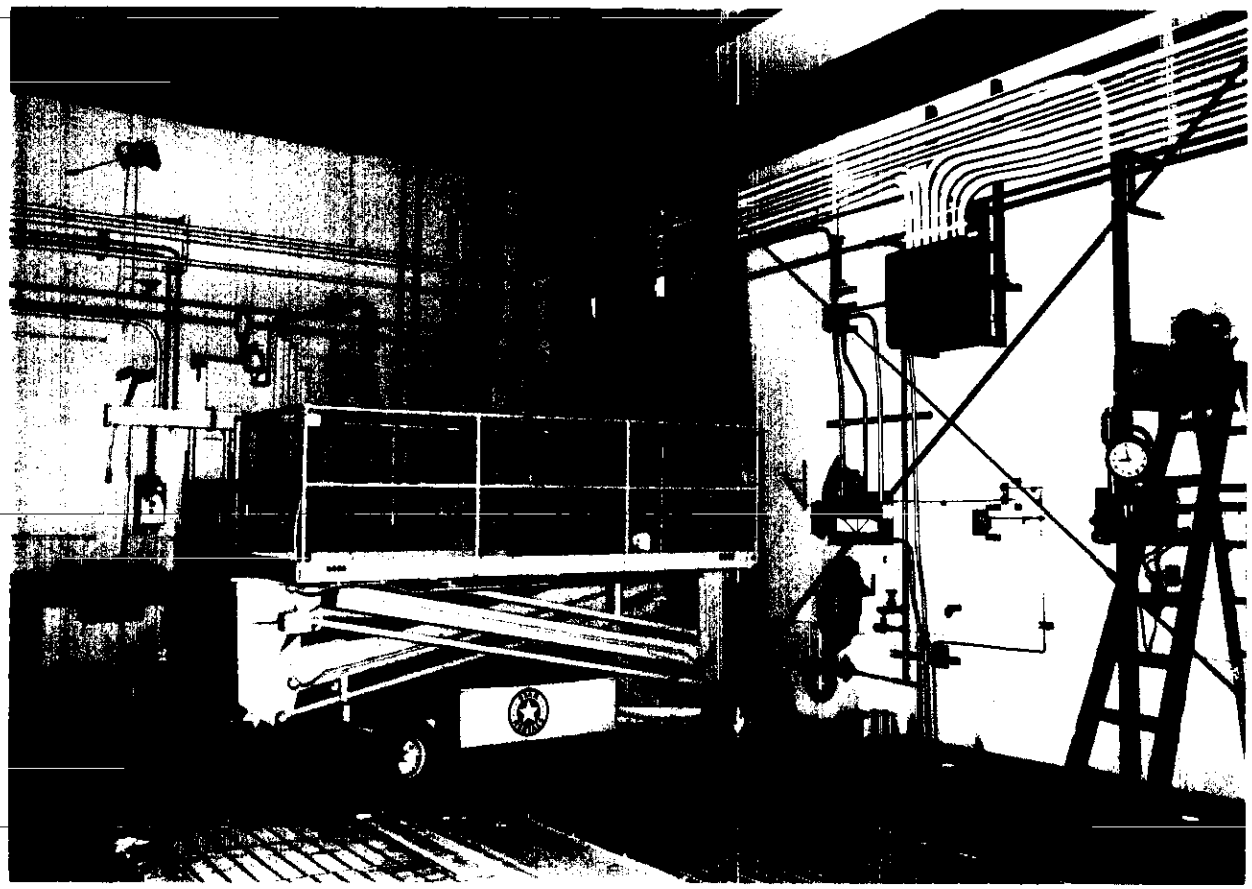


AERIAL VIEW

46°30'38"
119°30'40"

93030994-257CN
(PHOTO TAKEN 1993)

T PLANT COMPLEX
2706-T BUILDING

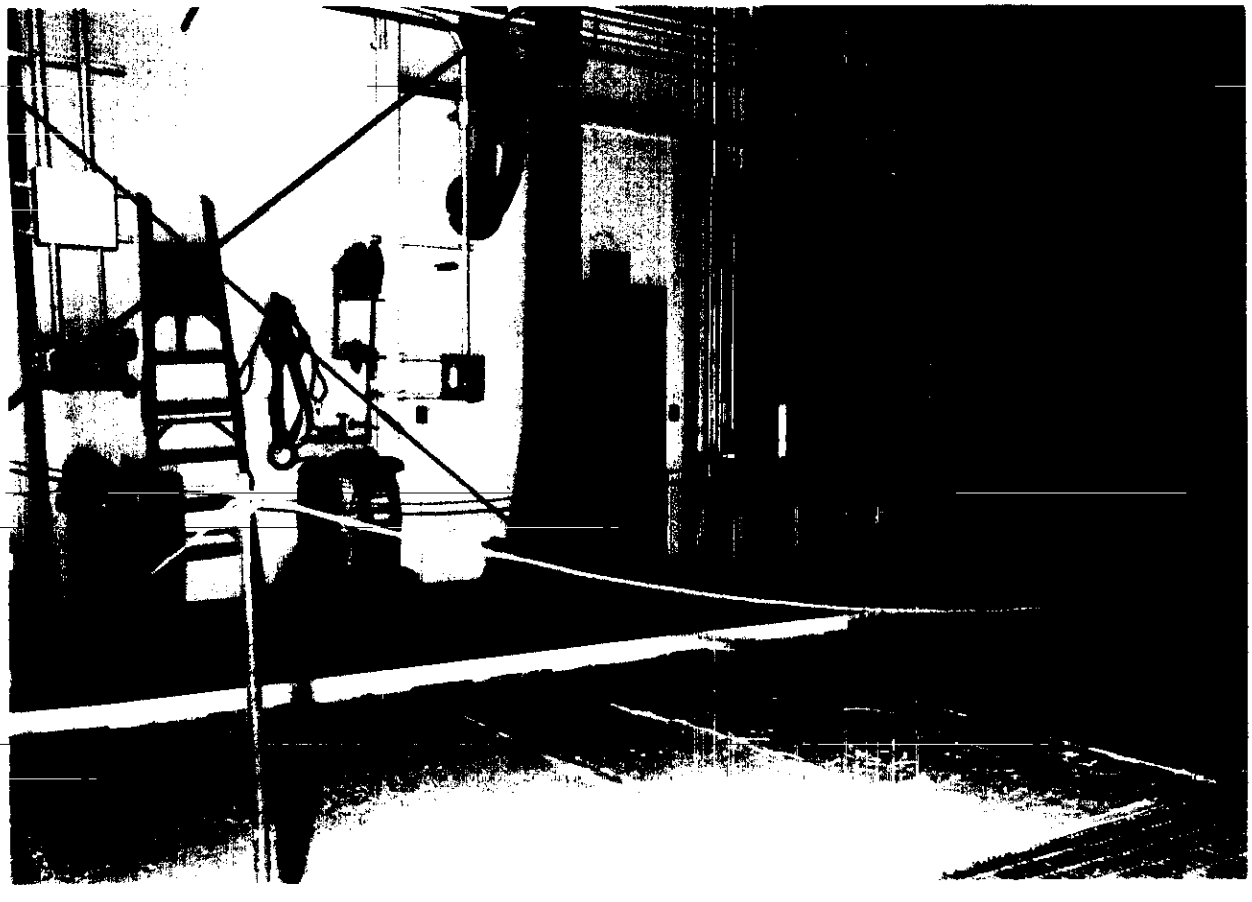


RAILROAD PIT

46°30'38"
119°30'40"

93040127-3CN
(PHOTO TAKEN 1993)

T PLANT COMPLEX
2706-T BUILDING



AUTOMOTIVE PIT

46°30'38"
119°30'40"

93040127-2CN
(PHOTO TAKEN 1993)

T PLANT COMPLEX
2706-T BUILDING

TYPICAL STORAGE BUILDING

46°30'38"
119°30'40"

93040127-13CN
(PHOTO TAKEN 1993)